MERICAN RAILROAD JOURN

AMERICAN RAILHOAD JOHRNAL

but Red that the man who conceived I had established. At every large and at every wand that we was the light whole or the great results of a start works. And an aid the local has conceined the saw receines be a start work of the light that which was a second to be a start work of the conceined of the same who we was a second of a very land, bearing on the model of a mathematic of the conceined of the same when it was the property of the conceined of the same when a start of the same was the same of the same was the same when a second of the same was the same of the same was the same when the same was the same

one public and private, invited from every linearer IRON MANUFACTURER'S AND MINING GAZETTE. The remarkable feature of this plan is, that the

ESTABLISHED 1831. in a start synthetic was seed as a rest percentage.

PUBLISHED WEEKLY, AT No. 48 SOUTH THIRD STREET, PHILADELPHIA, AT FIVE DOLLARS A YEAR, IN ADVANCE [WHOLE No. 657, VOL. XXI. SECOND QUARTO SERIES, VOL. IV., No. 46. SATURDAY, NOVEMBER 11, 1848

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AMERICAN RAILROAD JOURNAL.

PUBLISHED AT 48 8 THIRD ST., PHILADELPHIA.

Saturday, November, 11, 1848.

RAILROAD IRON. THE MOUNT SAVAGE IRON WORKS,

Allegheny Connty, Maryland, having recently passed into the hands of new proprietors, are now both these great and imporpered, with increased facilities, to execute orders for any of the various patterns of Railroad Iron.—Communications addressed to either of the subscribers will have prompt attention.

J. F. WINSLOW, President Mount Savage Iron Co., Troy, N. Y.
ERASTUS CORNING, Albany.
WARREN DELANO, Jr., N. Y.
JOHN M. FORBES, Boston.
ENOUH PRATT, Baltimore, Md.
November 6, 1848.

November 6 1848.

Schuytkill Navigation Company.

of the stockholders and bondholders of this company and freight for the way trade on the two works, are execution of which, has saved the patriotic citizens, held a short time since, the object of which was to to be in proportion. The tolls and freight on the who, with enlightened forecast, have sustained it pany from the embarrassments with which it is sur-\$1,400,000, should agree to commute it at the rate thirds of the quantity received. of 75 per cent. in new bonds, and 25 per ct. in stock and \$250 in the shares of the company at their par compelled to use either work exclusively. price. This would reduce the loan of 1965 to about

carried out but it will not be a cure for their difficut- tent of 20 per cent. on their previous facilities. ties, which are radical, and can only be removed by Reading railroad company, by which a fair and re- the railroad \$1.70 per ton from Pousville to this city." munetating rate of tolls shall be charged on both of The Western, or Boston and Albany Railthese noble works. Nothing short of this will restore the Schuylkill navigation company to prospelect others who will do it.

Since the above was in type we have received the "Commercial List," of Saturday last, by which we are informed that an arrangement has been made between the Schuylkill Navigation and Reading Railroad companies, which promises to prove advantageous to the stockholders of both companies. The editor of the "List" congratulates the friends of both these great and important works, that this arrangement has been consummated. So do we.

The following statement, which we copy from that excellent paper, embraces the principal points in the to Albany, and bring it wholly under Boston man-arrangement, which is to take effect on the 1st of agement—and it will be found well worthy of atten-January next, and continue until January, 1850:— tive perusal.

"There is to be no increase in the machinery or wharves of the railroad company, between this pe-

"The price to be charged for toll and freight on the railroad, from Pottsville to this city, is to be 95 penned the above brief history of the plan, the succents per ton more than the charge for freight on the There was, as we understand, a general meeting canal, from the same point; and the price for toll railroad from shipwreck-of the plan, the successful agree upon some plan calculated to relieve the com- railroad, and the tolls on the canal, are to be paid in from being pointed at by the finger of scorn of their actual cash; and no discount is to be paid by either rounded. The substance of the propositions sub- party, except 5 per et. for wastage, and a dumpage mitted for consideration was as follows: That the of 12 cents per ton on coal delivered at Richmond; holders of the loan of 1865 which amounts to about said dumpage not to be allowed on more than two

"No direct or indirect bounties or allowances are at par. That is, for every old bond of \$1,000 sur- to be made by either party, nor are any special barreadered, the holder to receive a new bond for \$750 gains to be made by which the operators will be

"The quantity of coal to be brought down in 1849 and 50 per ct. in the shares of the company at par. will secure to the railroad twelve hundred thousand, public voice, (since the declaration of independence

This would reduce that loan to \$1,800,000, and les- and to the canal six hundred thousand tons, or onesen, in the aggregate, the company's indebtedness third of the whole amount. The canal company is \$2,150,000 -reducing the companies present liabili- to be at liberty, if they should find it necessary in ties for loans from \$7,000,000 to something less than order to accommodate their estimated portion of the \$5,000,000. This plan of relief may aid them, if trade, to increase their cars and landings to the ex-

mind which conceived it kept in advisce of public

southness, make od, dedistinger annestration by pro-

the hear land, when or dead out and the paleon

have fled; and that the man who cobecived it had, established. At every larg.

"The price charged for toll on coal on the canal, an amicable and equitable understanding with the is to be 75 cents per ton, and the toll and freight on

Road.

We are not only prompted to publish this memoir rity and to credit—and the shareholders ought to re- as a chapter of railroad history for the future histoquire the managers to accomplish this object, or se-rian, and also by way of encouragement to companies now laboring under embarrassment, but also to place on record another among the numerous instances in which individual efforts, and personal sacrificesgreatly lauded, and appreciated, at the moment of necessity-are forgotten, and remain unrequited, by those who have been largely benefitted by those efforts and sacrifices.

> The press of other matter on hand compelled us to divide No. 1. of the memoir, and we now give its conclusion. No. 2. will follow at an early dayshowing the efforts required to carry the work thro

Continued from page 707.

In obedience to the orders of the commmittee, the inventor of the loans to the Western railroad has cessful execution of which has rescued the Western who, with enlightened forecast, have sustained it less far-seeing fellow citizens; which has saved the commonwealth, with a half-finished and profitles iron river, from being the butt of the like scoff, score and ridicule, which is now cast upon many of great works of internal improvement of our young giant of the west.

In presenting the history of this plan, agreeably to the orders of the committee, it has been the aim of the inventor to give, unadorned, historical facts, in their simplest shape. He has spoken of himself as \$1,050,000. The loan of 1868, which amounts to from the Schuylkill region, is estimated at 1,800,000 he would of a stranger, while writing the history of \$3,600,000, to be commuted at the rate of 50 per ct. tone; and it is supposed that the above arrangement a great event; of an event, which, according to the

which the opportunity of commanding success would and monitorial teachers, and they were accordingly the chairman of our corresponding committee, and have fled; and that the man who conceived it had, established. At every large, and at every small kindly threw the light shed by the great results of in its success, a never-failing confidence, which saw, meeting, he that listened was himself desired to be- their great works. And, in addition to all this, conin every new obstacle, only an occasion for a new come himself a monitorial teacher, passing the like triumph of a mathematical demonstration conse-request to him to whom he spoke. It was thus that our great purpose, were constantly, at every meetquent upon this new science-over pre-existing, each man, within his own circle, was made an agent deep-rooted habits-and indeed over knowledge of to impart around him, the pure, the irresistible light and every listener's friends. Thus was an impetus

The remarkable feature of this plan is, that the mind which conceived it, kept in advance of public ring, formed on the unruffled surface of a lake by a sentiment, unawed, undisturbed; unhesitatingly pro- pebble thrown into it. posing, and laying the basis to carry, and then carrying new measures, as these new measures became sary: and that each of these new measures was, like the first, deemed impracticable, when first proposed by him-and doing this at the risk (well vance of the knowledge pussessed on that subject by the masses of men. This being pronounced visionary, had, of course, an influence-both seen and unadverse to the pecuniary interest of the inventor, in his other pursuits: and to a large amount.

The plan, even in its first conception, was not simply to obtain the loan of \$2,100,000; but it was to causing the mighty power of the aggregate force of inculcated, at every one of our meetings, public and can be carried from its own intrinsic good sensethe state to be efficiently employed in constructing and carrying to completion the Erie canal of Massachusetts, and placing it in full and successful operation and this original conception was kept constantly In view by the inventor, who, in all his speeches, public and private (to the number of at least, 1,000 speeches a year, from 1837 to 1842) took care to inculcate, on the public mind, the great fact, "that this benefits to the whole people, that the whole force of the whole people should be enlisted, and should be used to any extent which might be found necessary to carry the work into successful operation—the time having arrived, when the industry of Massachusetts, isolated as it was from the great west, could no longer in the rear of this eventful age." By thus eleselves to the legislators, that no more loans would be petitioned for.

truth and demonstration was kept constantly in view made us sure of triumph in argument, upon any sition we assumed, whenever such position (howand inculcating some truth, bearing favorably on our plan. It is this simple rule, which, in all our caucusses, converted every opposing speech into a good argument for our purpose, by a good-natured natured demonstration of its fallacy.

The inventor of the game of chess was told by a mighty king, delighted with his invention, that he might have any reward which he desired. His reany very prominent measure, happen to be in ad- The calculation being made, the king's treasurer had spired to action. to report to the astonished king, that the countless private, that each man whom you instructed should pledge himself to instruct at least two more, requesting this constantly doubling rule to be constantly kept up; thus reducing it to mathematical certainty that this instruction, and consequent conviction. would soon pervade the whole community.

It was, from the first, perceived that he who undertakes to teach must himself be well informed .was a work of such great, substantial and immense The invention was not a stranger to some of the this new art to the masses of men; and he accord-Adams, in the senate of the United Sates, whence grew the celebrated report in 1806, by Albert Gallatin (then secretary of the treasury) giving (as far as the then state of the science would permit) the great ger be kept at home, if we allowed ourselves to lin- outline of the great system, as since unfolded—and of a late report made by Manuel Jose de Carrera y from the earlier conceptions of the Erie canal and of Heredia, civil engineer, of Matanzas, in relation to vating, with forecast, the public mind, to the stan- the Chesapeake and Ohio canal, by Gen. Washing- the Sabanilla railroad company's extension to Nadard of this great purpose, preparation was made to ton-to the history of the incipient stage and proving vajas, and its connection with the Havana and Carrender the second and the third loans palatable, as gress of these improvements in New York, Marywell as the first loan; and this was done at the very land, Pennsylvania, and other parts of the United thanks. time when some of our friends, who did not attend States. The inventor of the present loans had, in our caucusses, were at each loan, pledging them- his possession, the early common sense explanation the benefit of mankind, by the society of internal tal of \$407,303, and equal to \$22,600 per mile. In the execution of this plan, a strict adherance to improvements in Pennsylvania, and by an enlightened member of the Western railroad board of diand was constantly inculcated, as an integral part rectors. He had not been an inattentive observer of Havana road with the roads from Matanzas and of our system, in our monitorial schools. This the progress of the railroad system in our own state. But, yet, he felt the importance of procuring other and more light; and indeed of procuring all the ver astounding it might be) was disputed. It made light which could be procured. The French authoevery disputed point only the occasion of diffusing rities were therefore ransacked. The talented work of Poussin and of Gen, Bernard, the fruit of sixteen years' researches in the United States, was purchasple, were also procured and attentively considered; No less a task was undertaken, than to make, in Light, from England, was sought and found, in the To the Editor of the American Railroad Journals public opinion, a total revolution. This public opinion, a total revolution. This public opinion, a total revolution.

and the adoption of the constitution of the United nion was, from the very outset, well known to the the celebrated engineer, whom the enlightened and States,) forms the great exact in the history of the commonwealth.

The remarkable feature of this plan is, that one mind conceived it, at the exact point of time, beyond and of doing it by establishing monitorial schools, nal commissioners were written to, by Wm. Savage, tributions of information of every kind, bearing on ing, public and private, invited from every listener, of this new science, and of mathematical truth; and created, fostered and cherished, which made the knot that this circle enlarged, more and more, as does the of men, clustering around the inventor of the loan, the focus at which the rays of light of this new science thus naturally concentrated and whence they irradiated.

In the first stockholders' regular meeting, for the first loan, November 23, 1837, and in the earlier quest was, "one grain of wheat for the first checker caucusses, Boston was, by the reading of statistics of the board, going on doubling up to the sixty-fourth of its own frade, astonished at its own greatness, known to himself,) of being pronounced visionary, checker." The mighty king instantly ordered the when compared to other cities: and astonished at its as all men are very naturally pronounced, who, in granting of this (as he thought) very modest request, own capabilities for its high destiny-and was in-

The distinguishing feature of this invention is, millions of grains of wheat, for the 64th checker, that he who conceived it was also constantly, unrewent far beyond the ability of the treasury. This mittingly, night and day, in the field, as well as in story was recounted, in our early meetings, and to the cabinet, engaged, to the very end, in carrying it the great encouragement and comfort of our friends, forward to successful operation, exposed, unmoved, (in the then feeble and discouraging state of our and undismayed, to the intense fire, to which the van numbers,) and the like rule was recommended, as guard, in a great battle, is usually exposed; and enlist the mighty power of public opinion (founded the settled plan of campaign. Its irresistible power that he happened to be an individual, whose opporon knowledge and demonstration) for the purpose of was dwelt upon. It was requested, and constantly tunities had enabled him to judge that a measure even if everybody deems, at first blush, the carrying of this measure an impossibility. He judged, from the nature of the case. He had learned from experience, in other campaigns, that the sure way to move the leaders was to convince, and thereby impel the masses. He knew that the masses had good sense and patriotism; but he also knew that patience and perseverance were indispensable, in teaching leading events, in the cause of internal improve- ingly went to work, regarding an opponent only in ments-from the incipient motion of John Quincy the light of a candidate to be convinced, and thereby to be converted to the true faith.

All which is respectfully submitted.

Railroads in Cuba.

We are indebted to a friend for a manuscript copy denas railroad, for which he will please accept our

The road here proposed will be about 18.1 miles in length, and is estimated to cost for grading \$110,of the railroad system, which had been published for 520, and for superstructure \$296,783, making the to-

The aim of those interested in the construction of this road appears to be to form a connection of the Cardenas, and thus effect an easy and rapid communication between the capital-Havana-and the other principal seaports of the island; but as we have not our map before us, we cannot speak of the subject as we desire, and will therefore leave it for the present, and refer to the following account of other roads furnished by the same hand. It will be ed and carefully studied. Moreau's researches of found quite interesting, and will do credit to a worthe railroad art, and his lessons to the French peo-thy American, and friend, Don Santiago Claure. Havana, September 1, 1848.

which nature is constantly presenting to the obser-243, or \$13,424 per mile-being \$19,000 less than repairs of engines. The latter are from the an American, when visiting the Island of the estimate. Cuba, he cannot overlook those to which he is more accustomed, but which tend so much to his comfort as a traveller. I allude to the railroads; and as a short description of them may be interesting to your readers, I send you the following description of some of them-and first of the

HABANA AND GUINES BAHLROAD.

The railroad from Habana to Guines was commenced in the year 1835, and finished to Garciny about one mile farther out of town than Villamuva, its present station of commencement, at the close of the year 1838.

In 1840 the road was brought in town, and the location of Garciny ahandoned.

It was built by order of, and with funds furnished by, the Real Junta de Formento, under the immediate supervision of the commissioners from that body. Senores Meguel Anto. Herrera, Antonio Maria Escoveda. The "Intendente," Conde Villamuva, president of the Royal Junta, was one of the most zealous friends of the enterprise.

From Villamuva to Byucal, 17 miles, the road was graded for a double track, and from thence to Guines, 271 miles farther, the bridges, and other works of masonry, were calculated for the same purpose. In the first instance, the rails of the first 17 miles were laid on blocks of the soft limestone of the country, into which the chairs sunk so much, that for greater security wooden cross ties were afterwards substituted, so that now there are very few bearings of stone in use.

The rails are of the English T pattern, weighing 45 lbs, per yard, with chairs weighing about 18 lbs. at each 3 feet into which the rails are fastened by iron keys.

In this distance of 441 miles, there were 9 stone arch bridges, varying from 20 to 50 feet span, all of which, save one, were carried away by freshets prior to the year 1842; and have since been replaced by truss bridges of greater span, made of the hard wood of the island, on cut stone abutments. There are only two gradients as high as 32 feet per mile, and no curves of less than 1600 feet radius.

The road was built under the direction of ALFRED

In 1841, the road to Guines, including all the out-mile, fit of engines, cars, etc., was sold to a company of 25 individuals, for three millions of dollars, with the obligation to construct, within six years, one habitants, situated in the "Vuelty aboga," 14 miles branch to the south coast at Batabano 10 miles long, one to San Antonio, towards the west, of 8 miles, the public 8 miles this year, and finish the road by and prolong the main lines 21 miles to the partedo of "Los Palos." The company also reduced the rates of fare, of the first class, 50 per cent., of the second class, 33 per cent., and of the third class, 24 per cent on the charges existing at the time of the sale

THE BRANCH TO BATABANO, was commenced at the close of 1842, and finished in December, 1843. It is graded for a single track, and laid with cross ties of the durable hard wood of the island, with the H, or American pattern of rail, weighing 56 lbs. per yard, having no grade exceeding 20 feet to the mile; and only 1800 feet of curved line. There is a wharf at its termination at Batabano, with double And 8 first class double coaches 5 second class track, 1200 feet long, extending out to 10 feet depth and 8 third class, and about 350 freight cars.

THE SAN ANTONIO BRANCH was opened in December, 1844, is 8 miles long, and extends from the main line at Rincon, 14 miles from Habana, to the town of San Antonio; the least curvature is 5730 ft. radius, and the grade (the greatest) descending to the valley in which the town is situated of 33 feet per mile. It is graded for a single track, laid with que-bra hacks, or break-axe wood, cross ties, with the

The road has been in use nearly four years, and minality. now probably the smoothest and best in the new world. The passenger house at San Antonio, is a very pretty stone building, the store house much like those of Los Palos and Bernega.

The quebra hacha wood is here called eternal. have seen wood (posts) that have been from 50 to 100 years in the ground, and still sound.

The road cost about \$115,600, with buildings and turnouts, etc., or \$14,450 per mile-being about 25,- it, as occasion may require. 000 less than the estimate.

The extension of the road from Guines to join the Matanzas road at Reyes, or La Union, was commenced in January, 1846, and on the 1st inst. opened to Bermega, 27 miles from Guines, or 72 miles from Habana; there still remains 51 mile, which is almost graded, and will be opened on the 1st of Nobe joined, and the distance between the two cities will be 981 miles.

This road is built in the same manner as the two receding branches, excepting that they have used the Maine cedar and chestnut cross ties, 9 feet long, and flattened on two sides, with 7 inches dressed face, and 7 inches thick between the sides. These are larger than are generally used in the States .-All of the bridges are built of the hard wood of the island, with abutments of cut stone. The store houses and other buildings are all of masonry, and the whole work is built in a permanent manner.

The line is remarkably straight and level, there being but four curves in the 321 miles, one at the departure from the main line, one at the junction with the Matanzas road, and two intermediate, comprising a total of 7000 feet of curved road, with ra-Conger, Esq., civil engineer, (B. H. Wright, a son dii of 2,865, 3,820, and 5,730 feet. There are about of the late eminent Judge Wright, was associated 24 miles of road with 30 feet grade to the mile (the for the first 13 miles,) who also was the chief engi-limit), about as much more at 26.4 and 21 feet per neer of the Jucaro, Mataneas and Coliseo railroads. mile, and the remainder level, or below 19 feet per

> northwest of San Antonio. They expect to open to the 1st of July next. The road was estimated to cost \$250,000, but will probably not cost more than about \$210,000.

> When these roads shall all be constructed, the Habana railroad company will own as follows: Main line from Habana to La Union-miles .. 771

> Branch of Batabano Branch of San Antonio and Guanagoy214

Total of miles They have now 6 engines of 18 to 19 tons.

bludy

6 13 to 15 tons. 3 16 tons.

In their shops they make all the wood work of about \$14,000—bringing the average cost very low its cost, including what buildings, etc., is \$134,- their cars, and second and third class coaches, and or at about \$11 per acre.

lishments of Rogers, Kelchum de Gresterson, and Baldwin, of Philadelphia.

Last year there passed over the road about 135,000 passengers, and the total receipts amounted to upwards of \$400,000.

The company employ celadors, or watchmen, on the road at every league, authorised by the government to arrest, and take to the nearest judicial officer, all trespassers upon the line, who are generalsame kind of rail as the Batabano branch, or 56 lbs. ly fined \$4 for a simple trespass, and in case of do-per yard.

These "caladors" are armed with a lance, and flag on it, to give signals if there is any obstruction on the road; and where the English T rail is used. they carry a hammer and drive the keys in the chairs, also advise the repair carpenters-who have stations of six miles each of any points that require immediate repair; in case the engines are out at night, they carry a lantern, and make signals with

They are paid by the company, and immediately responsible to the administrador general."

The railroad and branches above described are under the management of SANTIAGO CLARKE, Esq., as chief engineer. This gentleman who is an American, and was formerly connected with the canals and railroads in the States of New York and North vember, when the Habana and Matanzas road will Carolina, has the entire confidence of the company, and most richly does he deserve it. Familiar as I have been with the management of railroads in the United States for the last twelve years, I can truly say that I have never seen or known one which-in caution to prevent accidents, vigilance in making timely and proper repairs, promptness in starting of trains, careful supervision of machinery, speed of engines, and attention to all the interests of the company, and of the community-has been exceeded by the Hayana railroad, and those who manage its affairs. It may perhaps be considered as something new, that any of our railroad companies in the U. States could take lessons from one under the Spanish government, but I fear such is the fact, and that this would be your own decision, were you here to examine for yourself. The credit, however, of excellent management on this road, must be divided between Mr. Clark the chief engineer, and Jose A. ECHEVERRIA, administrador general, or what in the United States would be called the general supe tendent of the road, as he has the entire charg all the passenger and freight business.

We are gratified to learn that the railroads in Cuba are so well constructed. In relation to that quebra hacha," or " break-axe" word, we should like to know more. Is it abundant? and easy of access? -If so it may be found vauable for other purp Will some one please give us more definite information on the subject?

Northern (New York) Railroad Be

We have received the annual report of this com pany, dated 5th June last, showing the progress made thus far. The entire line has been located and put under contract—and the work was com menced on the western part in December last, a on the eastern half in April, and is progressing energy; and timber for the superstructure and iron for a portion of the rails contracted for.

The right of way has been mainly secured—over two-thirds, or 808 acres, have been ceded without charge, and the remainder, or about 440, will cost of about \$14,000—bringing the average cost very low,

This road is to be connected by a bridge at Rouses Point, across the outlet of lake Champlain, with the Central Vermont railroad, and Rutland railroad, extension beyond Burlington, by which a train of cars may pass from Ogdensburg direct to Boston, and to Portsmouth, New Hampshire, and Portland, in Maine, without unloading, when the road from Concord to Portsmouth, Hew Hampshire, shall be completed-thus giving a choice of three seaports for shipping their contents. We give the report entire, except the details of right of way.

Report of the directors of the Northern rail road company, New York.—Submitted to the stockholders, June 5th, 1848.

To the stockholders of the Northern raiload

to Malone, a distance of 62 miles. The pro. burgh, and Rouse's point. gress of the surveys has since enabled them secured, by a liberal grant from the general and of a width throughout sufficient for the government, and some minor arrangements, demands of a double track. the course of immediate settlement, alone delay public notice of the location at this the 114 miles of roadway: point, fully decided upon by your directors.

At the meeting of your board, in October last, contracts were entered into for the grading of the whole line of your road, under two contracts with resposible parties, about equally dividing the distance, and by the terms of which, the entire line, by given instal-ments, is to be completed, ready for the super-structure, by July, 1849. The work done under these contracts, commenced on the 1,206 009 penditure of westerly half of the road, in December. It Adding to this the estimate of was necessarily limited, during the season of for cost of roadway still to be sefrost, to such points as would admit of it, cured, from Champlain village Since then the force has been augmented, to the lake, 4 miles, equal to 40 Since then the force has been augmented, amounting now to nearly 1,000 men, and is about being further largely increased. On the easterly half of this line, ground was only broken on the 19th of April, but the well known energy of the contractor to whom that work is committed, offers a sufficient guarantee for the proper and timely performance of his contract; by the terms of which, 30 miles, beginning at the lake, are to be graded of legislation.

The company have done a wise act in securing and ready for the rail by October next: A The company have done a wise act in securing and ready for the rail by October next. A maple ground at Ogdensburg, and other places, for depots—at Ogdensburg, 62 acres, with a water front of 4,000 feet, accessible to any vessel navigating the lakes. This is as it should be, as it will never be worth less than its cost to sell, though it would cost the company many times what they have paid for it, if they wanted to enlarge, after the road is in use. We are pleased to find our old friend, Col. Schallers the head of the engineer department. He will ensure to the company a vigorous prosecution of the work, and to the public, a good work when it is completed.

The tauds purchased for other purposes than roadway—for stations, materials for construction, and to avoid a larger expense for farm roadway—for stations, and to solidity; it has, therefore, been adopted by your directors. This needful change in construction, has led to some delay and modification of original contract, by which this not sufficiently, it is hoped, to prevent its completion by the time originally intended.

> During the past winter, contracts have been made for ties, timber, and fencing mateyour road for such material, until new sup plies can be obtained next winter.

The report, submitted to you at your last six thousand tons of iron; also for chairs and

The settlements involved in securing the

Of the whole 1,206 009 acres, taken for

808 432 acres have been voluntarily re-

262-001 acres have been secured by agree \$6,296 67 ment, at the cost of 23.974 acres have been apprais-

1,195 31 ed by law, at -Leaving

112-575 still to be settled for, in-

volving an estimated ex-206 009 penditure of -Adding to this the estimate of

The lands purchased for other pur projected, in point of expense, and time necessary for construction, and has the recomstitute the future centre of the harbor of the mendation beyond, of superior safety and "ciry" of Ogdensburgh, and become of incalculable value to the stockholders, and to public accommodation.

At other points of the line, the most eligible grounds for stations have been secured; portion of the work has been retarded bu and whenever these wants of the company could not be definitely determined, as at Rouse's point and Champlain village, refusals for similar lands have been obtained.

The directors refer to the schedule, laid on rials, sufficient for all the requirements of the table, for further details on lands and stations.

The location of the Northern railroad, At the meeting of your directors, in March, made in strict conformity to the true interests contracts were closed, on favorable terms, for of the stockholders, has nevertheless been a source of disappointment to a few localities, annual meeting, detailed the measures adopted by your board, in the location of the Northern railroad, through St. Lawrence and a part of Franklin of Pranklin of Ogdensburgh and Rouse's point of Rouse's point of the expression of public opinion, has burgh and Rouse's point finally and satisfactorily disposed of; and what remnant of disappointment still remains, to complete the location 52 miles further, to right of way, and requisite land for stations would seem to be wearing off, if the in-Dewey's farm, a point in Clinton county, and other purposes, along the whole line of creuse in the voluntary payment of assessfour miles from the eastern terminus of the your road, have had the unremitting attention ments is any proof—for here we find of 2.161 road at Rouse's point. The final location of Messrs. Russell and Horton, upon whom shares registered in Canton, Potsdam, and of the remaining short distance, having been this very arduous and responsible duty was deferred only to admit of the exercise of every due precaution in concluding negotiations for grounds and privileges so important to the distance of 114 miles, nearly all the lands gradual, voluntary liquidation of the balance, and in an amicable and friendly reunion with some of the earliest and most ardent south, 802 shares as having complied with with some of the earliest and most ardent friends of the road. Under any circum-stances, the solvency of the amount due on this part of our local stock, from the character of the large majority of the holders, need not be a subject of doubt.

Our application to the legislature, for the grant of the privilege of connecting your road by a bridge at Rouse's point, with the Vermont shore, was retarded during the last session, by reasons partly connected with the just mentioned causes. This has afforded the opportunity of a thorough investigation of 2,000 00 the subject, and given rise to several reports, 4,000 00 all favorable to your application. The time consumed thereby, and the short session, prevented final action on the bill. Your directors hesitate not, however, to state, as their

result of which to your interests, cannot be doubtful; as such connection is even more ceived on the account of assessments, since important to that city than to your road.

when the final report of surveys was received, a new organization of the engineer corps was deemed called for, with the view of affording the necessary efficiency to meet the great demands made upon it. And your board accordingly engaged the services of Col. Charles L. Schlatter, as your chief en ginher. Col. Schlatter has divided the line into three engineering divisions, making his important works occur - with Mr. S. H. Kneuss, on the Western, and Mr. T. J. Carter, on the Eastern division, as principal as sistants. The short period which has elapsed since these gentlemen were appointed, the unprepared state of the work for active contracis, and the rate at which they are conditioned to be carried out, over 118 miles of road, rendered an efficient engineering force a subject of the first importance and attention; and that by the present appointments, this condition has been achieved to a degree not burg, N. Y. ordinarily met with, your directors are fully satisfied of.

The board has called upon the stockholders, for two assessments, amounting to burgh. 20 per cent. The condition of which, with that of the general finances of the company, will appear from the treasurer's statement.

The foregoing is a brief review of some of the acts of your board, during the past year. They might further enlarge on matters of since the opening of the navigation, has been as now laid through it, so that locomotives can pass general or local interest, but they forbear; having, by what has been said, given the stockholders all necessary insight into the management of their affairs, which the Treasurer's report will complete.

In conclusion, the directors would again record their constantly increasing confidence, in the importance of the Northern railroad and in the value of its stock, and commend it to your undiminished confidence and

Northern Railroad Company, (N. Y.) in account with Samuel H. Walley, Jr., Treasurer. to May 15, 1848.

The treasury from all	
To incidental expenses\$10,201	56
To engineering 30,529	79
To land damages 8,435	03
To grading	69
- To timber, fencing, etc 5,667	27
To interest	95
To iron 6,775	00
To engines 1,500	00
To Geo. Parish, paesident, cash on hand	12
at company's office, Ogdensburgh 50,321	
To notes receivable, loan on demand, with	27.84
collateral security	
To amount on deposite in Market bank. 5,519	
To cash in drawer	65
year tadt virogeng olde 243,809	00
243,805	00
loov ton valour to blee ocr.	not be

ments, being for amount paid By assessments, being for amount paid to this date. \$234,758 00

By exchange account balance 986

By contingent fund, interest, etc. 9,041 80 outdings and extures \$243,809 66 By Schuylkill canal

SAMUEL H. WALLEY, Jr., Treasurer. May 15, 1848. bne vinesant

N. B. More than \$50,000 have been re-May 15th, the date at which the books were At the last meeting of the board, in March, closed; and more than \$40,000 have been paid out at Ogdensburgh, since that date, on account of work done upon the line of the S. H. W. Jr.

Champlain Village, N.Y., June 5, 1848.

Wey the undersigned, Committee on Accounts, have examined the payments made by the treasurer, as stated above, and find them all correctly vouched. B. T. Reed,

Committee.

OFFICERS ELECTED FOR THE YEARS 1848-9. Directors.-Abbot Lawrence, Boston; G. Parish, Ogdensburg, N.Y.; J. W. Edmands, Boston; Charles Paine, Northfield, Vu; I. Spaulding, Nushus, N. H.; J. L. Russell, Canton, N. Y.; Geo. Redington, Wadington, N.Y.; B. T. Reed, Boston . T. B. Chandler, Boston; Win. H. Harrison, New York; H. Horton, Malone, N. Y.; George V. Hoyle, Champlain, N.Y.; A. C. Brown, Ogdens-

President .- George Parish, Ogdensburg. Treasurer .- Samuel H. Walley, Jr. Secretary .- James G. Hopkins, Ogdens

[From the Philadelphia "Commercial List."] Pennsylvania Coal Trade for 1848. From the Lehigh Mines.

The amount of coal shipped from the Lehigh mines during the week ending the 28th ult., and

e and to the state advantage	This week.	Total this
Committee of the Commit	tons.	year-tons.
By Lehigh company, Oct. 31.		
By Room Run		
By Hazleton	2,087 00.	. 79,683 00
By Beaver Meadow	2,781 17.	.75,814 09
By Buck Mountain		
By Spring Mountain		.56,855 19
By Cranberry Mines		.13,705 00
White Haven,	275 01.	. 9,372 06
Diamond Co	626 04.	. 4,972 11

From the Schuylkill Mines.

The amount of coal torwarded by Reading rail road during the week ending the 2nd inst., and since the 1st of January, has been as follows-

The state of the s	Fond	area.
From Schuelkill Haven	9,150	00
Pottsville	5,285	05
W Port Carbon	8,286	17
" Port Clinton	3,006	
Potal this week.	25.728	16
Potal this year		
		an.

The me described		min an	Jugard.	-	-
Total this week		****		.11.849	1
Total this year	STREET	13 13 2 5 7 1	THEVEN	386,272	0
Recapitulation.	Total	Shipme	nts this	Season.	19
 1. 14 14 22 C. F. E. P. F. F. F. F. B. S. E. S.	2011 ENC. 201	288 GT/		617,109	
By Lehigh compani	STYS R	anto a	0.6 250	N77 800	ari

Cheshire, N. H., Railroad.

Third Annual Report, May, 1848.
From some cause we have not heretofore met with report of this company, and have not therefore bee familiar with its progress and condition; but wh recently at Boston, we availed ourself of the courte sy of the able superintendent of the Fitchburg road, S. M. Felton, Esq., to make an examination of the road under his charge, and also of the Massachusetts and Vermont, and the Cheshire roads.

These two latter roads are, as will be seen by referring to the map, extensions of the former, from Fitchburg, diverging from Gardiner, 10 miles from Fitchburg and 60 miles from Boston. The Mass chusetts and Vermont road bears almost due west. until it crosses the Connecticut river, where it turns northerly to Brattleboro', to be continued to Bellows Falls; and southwesterly to Greenfield, where it connects with the Connecticut river road, to Northampton, Springfield, Hartford, and thence to New Haven and New York. It is proposed to construct a road from Greenfield westward to North Adams, and thence to Troy, N. Y.—which is now much more likely to be accomplished than was the Western road in May, 1837. The Cheshire road takes a northwesterly course to Keene and Bellows Falls, whose third annual report is given herewith, is now com pleted, and in very successful operation, 32 miles to Keene, and the remaining part to the river will be completed in a few weeks. There are few lines in the country of equal length, on which there has been so much heavy cutting. A few miles west of Keene is a cutting, through granite rock, of appaling magnitude-being over 4,000 feet in length, and varying from 20 to 50 feet in depth. It has been, however, successfully completed, and the superstructure is with materials for the line beyond.

The grades upon a part of this line for several miles, are as high as 58 feet to the mile, in the direction of the heavy trade; yet it has been thus far completed in the most thorough manner and we can, without fear of contradiction, say that it will compare favorably with the best built roads in the Union. -Indeed we have seldom passed over a road constructed as well; the superstructure being of the most substantial character, haid on gravel or sand balant-Total 1001. 0. 103801. 11.18,785 06.617,109 09 ing upon the natural soil, and in the cuttings the roadbed is raised nearly two feet, with side walls to the drains, thus ensuring a free passage to the water. When completed to the river, it will connect with the Sullivan road, up the valley of the Conm to Windsor, where it will connect with the W Central, and the Passumpsic river roads, and al and especially, with the Rulland road, from Bellows Falls to Burlington, where it will receive its share of the business from the Ogdensburg road, and a

connection with Montreal.

The Rutland, the Vermont Central, the Passu The amount of coal brought to market by the river, and the Ogdensdurg roads, are all progressing Schuylkill canal during the week ending the 2nd rapidly, and will all be completed by July, 1850inst, and since the opening of the canal, has been or before when the Cheshire road will just begin to as follows:— To and the canal, has been or before when the Cheshire road will just begin to how far short of the truth were their estimates of their own position, and the soundness of their invest-

To the agacity and perseverance of their able president, Thomas M. Edwards, Esq., and to the ability and untiring efforts of their chief engineer, L. Tilton, Esq., well sustained by the board of directors, are the stockholders deeply indebted for a work which will add to the value of property on its line many times its cost, while it will pay a regular

only publish the las', which comprises all of present interest to our readers. The distance from Boston to Ogdensburg by this route will be about 380 miles. The report says:

REPORT.

Agreeably to the by-laws, the directors Walpupresent to the stockholders their third annual rivers. report, showing the condition and prospects of the corporation, on the first day of the cur-

In our two former reports, we endeavored to give a full history of the progress of our enterprise from its commencement to the respective periods at which they were made.-It only remains to us to bring that history down to the present time, to make an exposispeculate, as we may, in good faith, on our prospects for the future.

During the past year, it has been our pur-pose to prosecute the work, on all parts of our road, with the utmost diligence. In Troy,—twenty-two miles. Two passenger facilitate their own labors, by establishing for this the engineer has fully co-operated. We trains, and one freight train, have been run their own enterprises, less advanced than have felt sufficiently impressed, we believe, over the road daily; and we are happy to ours a confidence in advance, arising from with the importance, in every point of view, say, during the time without the slightest of the earliest possible completion of our endisaster or injury.

tire line; and if in the dispatch with which we have moved forward, we have at any time road, has been run without a single interrupfailed to keep pace with public expectation, it tion, and with the full average speed of Newhas arisen from no indifference on our part England railroads: performing its trips of amount of means required for the construction the wishes and wants of the stockholders twenty-two miles in an hour. and of the public at large, but to peculiar circumstances in which we have been placed, and to unavoidable difficulties and obstacles roads which it has to encounter at the outset, one project or another, are frequent and unavoidable difficulties and obstacles roads which it has to encounter at the outset, one project or another, are frequent and unavoidable difficulties and obstacles roads which it has to encounter at the outset, which required time to overcome and remove. It was our expectation, at the last annual meeting,—and so stated in our report, - that we should reach early in the will be overflowing in its receipts or its past winter the point to which we have profits; but when we consider that it requires opened the road but to day; but when it is time to concentrate business in new channels; opened the road but to day; but when it is time to concentrate business in new channels; siderable amount of capital, we have experienced that the heavy work at our extreme that in comparison with the whole ground enced far less difficulty than is usual in obsouthern terminus, at the very entrance upon covered by our expenditures, but a small taining it. Our stockholders have been our line,-a work second only to our some what famous cut at the summit, on our north ern division,-was not, and could not, after it came into our possession, be completed, under the most competent management, until thus far. the first of October, it will require but little experience in railroad making to understand first of May, is equal to an average of eighthat after that late period in the season, in teen and a half miles for six months. The that after that late period in the season, in this climate, we could hardly expect to compass thirty two miles before our progress should be arrested by the frost of winter. Under these circumstances, we were enabled sixty thousand per annum on eighteen and to complete twenty-two miles, to Troy; and one half miles of road. These amounts are having, at the same time, succeeded in finish not stated with fractional accuracy, but vary ing the grading where we could not reach but little from it, with the track, with a favorable spring and a good degree of energy on the part of those on whose labor it depended, we are enabled tension widens our sphere of operations, now, when assembled for the transaction of our usual business, to exchange congratula regard as highly important; and when we tions on the completion of the important division of our work, extending to this place.

With three fifths of our road then, so far work done on the remainder of the line, and our depots, and other arrangements, we have with what is unfinished in a good state of had reference to future as well as to immediprogress,—we feel warranted in the assurance, ate use. While we have been desirous of that in the absence of unexpected difficulties, avoiding all estentatious extravagance, we

We have before in the three annual reports, but the whole road will be finished and in use have considered in but wise within the current year. The last and only remaining contracts preparatory to that result, incumbent on us to make, were closed some weeks since with H. R. Campbell, esq., for the construction of the bridges in Walpole, over the Cold and the Connecticut teem tons each; and two, for freight,—one of rivers.

secure both of the best quality,—we have bar dered.

gained and are to pay for structures at these Being thus prepared for business, and inimportant crossings which shall be convenitedding at all times to be fully prepared, we

OPERATION OF THE ROAD.

On the fourth of October last, the road was October, for freight, from the junction to Winchendon, - eight miles; and on the twenty-seventh of December, for both to

The passenger train, although over a new

It is hardly to be expected that so short a been exempt from, much to their advantage, but which most roads hereafter must meet,are usually the least fruitful to all railroads: appointment or dissatisfaction in the results

The amount of road in operation to the amount of earnings for the whole time on passengers, is ten thousand and on freight, about twenty thousand dollars,—equal to sixty thousand per annum on eighteen and not stated with fractional accuracy, but vary

That there will be a steady increase of business, we entertain no doubt. Every ex-

The extension which we add to day, we reach our northern terminus, we open upon a much broader sea.

We have ample means for accommodating finished as to be fitted for safe and convenient and doing our present, and a much larger use—with more than three-fourths of the amount of business. In the construction of

rivers.

In these contracts, as well as all others for passenger cars, and two others in progress; work or materials, we have endeavored to seventy-two freight cars, and fifty more or

ent, safe, and durable, and shall be greatly trust that our friends above us on the line, disappointed if we are furnished with those of any other description. ances and connections which will be recipronally beneficial, will suffer no portion of their patronage to be withheld from us now, when opened for passengers, and on the sixth of it will be most useful, and not merely in a pecuniary point of view, but as justifying our enterprise and disclosing its capabilities, and especially, when by so doing, they will our success.

FINANCES.

In railroad matters, this is always an interesting and important topic. The large has occasioned heavy drafts on the resources of the community. The appeals in favor of —a competition which the earlier roads have ceasing. That they are answered in some even exempt from, much to their advantage, instances with hesitancy and delay, is less a matter of surprise than that in so many instances they are answered at all. Although we have had occasion to disburse a very conpart has been in use; that the winter months prompt to their engagements, and the confidence in the ultimate success of our enterwe feel that we have reason neither for dis prise has continued unabated from the beginning.

From statements furnished by the treasurer, it appears that the whole amount received into the treasury, from all sources, from the beginning to May 1, 1848, is . 1,665,190 06 That the whole amount of disbursements during the same 1,641,436 45 time, is

Leaving a balance on hand of 23,753 61 The particulars of the disbursments are as follows 2,875 50 For preliminary expenses. " incidental expenses, . 13,250 21 land damages, including valuable property that may be sold or rented, and wood engineering, 24,125 69 6,671 57 7,106 49 station buildings and fixtures 14,725 98 superstructure 242,553 22 grading masonry and

1,641,436 45

In providing funds during the past year for the prosecution of the work, the directors have availed themselves of the recommendations of the stockholders at their last annual meeting. The first measure adopted, after applying the assessments received on the original capital, was the creation of bonds to the amount of five hundred thousand dollars. Of this amount, four hundred and six thousand, six hundred and fifty dollars have been negotiated at par, with the exception only of a brokerage commission, allowed in some cases, of one-fourth of one per cent. on the amount of the bond. The residue remain undisposed of, and can very readily be converted whenever the avails are wanted.

The second measure of supply was the disposal of something more than five thousand shares of stock in the possession of the board, taken, with very few exceptions, by stockholders and bondholders,—more than four-fifths of the amount having been taken by stockholders in the proportions in which they

held old stock.

With these means, we have been able to

meet promptly all engagements.

Our available means for future use we estimate as follows:

Balance due from stock disposed

disposed of

Do, from old stock, . 23,000 00 23,753 61-Cash on hand, Bonds on hand 93,350 00 Shares in capital stock not yet

90,800 00 490,711 61

When the above shall be converted and created,—or yet authorised. Whether this shall be found quite sufficient or not, we feel assured of being able to supply without difficulty any deficiency likely to exist. The time has past, if it ever existed, when the final completion of the road could be regarded by any one as questionable. It is now only a question of a few weeks, in point of time,—ariller or later. But still, in this point of view important to u.w.—important that we shall be realizing at the earliest day, the advantages which we shall derive from the use of our entre line,—important to u.s. that we shall be realizing at the earliest day, the advantages which we shall derive from the use of our entre line,—important to u.s. that we shall be realizing at the carliest day, the advantages which we shall be completed, to receive their business and to pass it along to its destination, with the Rulland, the Sulling van, the Central, the Passumpsic, the Vermont and Canada, and the Ogdensburg to destination, with the Rulland, the Sulling to all passing on to completion, and in the business of all of which dur road miss to all passing on the completed, to receive their business of all of which dur road miss to all the business of all of which dur road miss the business of all of which dur road miss to all the business of all of which dur road miss the business of all of which dur road miss the business of all of which dur road miss to all the business of all of which dur road miss the business of all of which dur road miss the business of all of which dur road miss the business of all of which dur road miss the business of all of which dur road miss the business of all of which dur road miss the business of all of which dur road miss the business of all of which dur road miss the business of all of which dur road miss the business of all of which dur road miss the business of all of which dur road miss the business of all of which dur road miss the business of all of which dur road miss the business of all of which dur road miss the business of all

upon the former line on Saturday last, when to produce or promote oscillation. ber, but we have witnessed the working of two of them only: the powerful one built after Mr. Crampton's patent, and another on the long boiler and outside principle, after alance due from stock disposed

Mr. Stephenson's patent. The three others are a powerful class of six wheel engines, are from ald stock. with a six ft. driving wheel and a somewhat built by Bury and Kennedy, of Liverpool, and a 6 feet 6 in driving-wheel, Jenny Lind, constructed by Wilson, of Leeds. We do not know either the size of the cylinders or the heating surface of Bury's engines. believe the four wheel one has about 1,000 ft.

that has been given to the 8 wheel broadguage engines—viz: 2000 ff., every portion
of which is necessary to work the 18 in,
locomotives, recently put into use on the English
a prominent place, if not the lead, among the engine
builders in England; but it makes one stagger almost to think of a locomotive engine of 34 or 35
tanst and six tons each driving wheel!! Only think
of the growth of these machines since 1829—from 5
to 35 tons—only seven fold in nineteen years!!! At
this rate of increase, what will be the character of to 35 tons—only seven fold in nineteen years!!! At this rate of increase, what will be the character of locomotives twenty years hence? We presume much lighter than thirty-five tons.

Speed and Power on the Narran Gauge. Speed and Power on the Narron Gauge. ton's engines, are the driving wheels; and as the axle of the leading wheel is placed close up against the axle of powerful engines have been put upon the the driving wheel is behind the fire box, there bendon and North Western and Midland is practically no driving wheel fulcrum in the up against the smoke box, and the axle of railways. The most powerful was placed centre, or overhanging weight at either end, we had an opportuity of taking a run with it from Wolverton to Tring, in company with the patentee Mr. Crampton and Mr. Braidthe patentee Mr. Crampton and Mr. Braidtessarily, as some engineers think, occasion wood, the locomotive foreman of the former it. As far as we have been able to judge, station. The new engines are five in num-from a careful personal examination of the brasses and working of the London, one of the class of outside cylinders of which we are speaking (Crampton's), oscillation does not necessarily attach to the working of all outside cylinder locomotives. We have at all times found the London steady. Shortly with a six ft. driving wheel and a somewhat after she was put upon the London and less powerful four wheel locomotive, both North-Western line she was steady at 62 miles an hour, and we found her steady at the highest velocity she reached (57 miles per hour), after she had been running some 20,000 miles.

The Liverpool is also extremely steady, when the above shall be converted and of heating surface, and a 16 inch cylinder; and works beautifully. In saying this, we created,—or yet authorised. Whether this shall be found quite sufficient or not, we feel also a 16 inch cylinder is about must in justice to the manufacturer say, that we never saw a better made engine turned

from Tring to Euston-square, in 32 or 33 poverty, demand immediate attention from

The same paper of this morning, (Sept. 23d), says:—"We had a trip yesterday, to Birmingham and back, with the new and powerful engine, the Liverpool, which has the same sized driving wheel, the same sized cylinder, the same length of stroke, and the same amount of heating surface that have been given to the most recently-constructed passenger locomotives upon the broad guage. The Liverpool was, when running with the tender, perfectly steady at 60 miles an hour. The engine is not yet in perfect working order; but she will be so in a few days, and we shall then give an accurate and detailed report of her speed and power, upon which tions are considered to depend,"

Branch Railway Traffic and Light Engines.

We have before alluded to the plan of Mr. Adams for working branch lines with less weight of machinery. The following paragraph shows that it is to be tested by the Eastern Counties railway. The editor of the Chronicle says that,

the retrenchment and economy of working expenses, one of the most curious and important seems to be the LILLIPUTIAN SYSTEM from blowers into the mine at a moment's of Mr. Samuels and Mr. Adams, now about to be fairly tried in working the branch traf-fic on part of the Eastern Counties and of the Bristol and Exeter. To diminish the ment, that no collier be allowed to work unprofitable weight of a train to the utmost, and to increase the tractive power of that weight, are the objects of this invention. They propose to form a single large carriage, like the old "seel mill" as to the safety lamp—
those at present made by Mr. Adams for the North Woolwich branch of the Eastern Counties, capable of carrying sixty passen gers, and to carry on the front of it a small locomotive engine. The tender will form part of the carriage. Of course the weight an equal light to an open candle; and the locome position of the passing through and into the wind the miners go to work with the miners go part of the carriage. Of course the weight an equal light to an open candle; and the through the neated material, becomes confort the whole is to be placed extremely low. There will also be a small additional carriage, so as to take on the whole 100 or 120 He recommends that when they are in use, passengers, with engine and tender. The every man's lamp, or lanthorn, should be weight of engine and carriage will not exceed some 12 to 15 tons, and, with passen-ly out, he would have to apply to the overgoing, on the red hot chain, from syphon tube gers, will weigh perhaps 20 tons. We have seen one of these illimitian trains in process it would be to light it place and lock it in gers, will weigh perhaps 20 tons. We have seer of the lights for a fresh one, whose duty which regulates its supply. This causes the seen one of these lilliputian trains in process it would be to light it, place, and lock it in tar, or melted resin, to throw off an abundance of bi-carburet of hydrogen gas. The Counties railway, and in the workshops of Messrs. Adams & Co. The wheels are so placed as to throw a great part of the weight of passengers on the driving-wheels. By that he finds considerable prejudice to exist none being required. The great advantages the contribution appear to be, the

railway companies; and we shall therefore watch the progress of these experiments with

report of her speed and power, upon which be found a great acquisition to the working many important and debateable railway quescollier, and be preventive of many accidents, when brought into general use; Mr. Crane is also manufacturing an oil safety-lamp, on an improved and somewhat similar principle. He states, in a communication, that an accident has lately happened at the colliery of Messrs. Jones and Oakes, solely through the doggy carrying a naked candle; and, had the system recommended by him been adopted to a lecture upon this subject. "Among the many plans which these no such accident would have happened; but open candles, so long will there be danger of explosions, as inflamable air may escape notice, and this danger can only be avoided,

Buffalo and Ningara Falls Beil

In compliance with the resolution of the honorable the assembly, passed Feb. 2, 1843, the Buffalo and Nisgara Falls ailroad company would respectfully submit the following report:

Length of road in operation, 22 miles.
Cost of construction to Jan. 1, 1848..... \$171,675 11
Expenses for running and repairing road 18,879 32

Total expenses for construction, repair-
ing and running road 190,554 43
Receipts from passengers
Extra baggage, furniture, etc 3,115 93
Mail earnings 800 00
Amount paid for dividends 15,879 59 Number of through passengers 662 94
Number of through passengers 662 94
Number of locomotives
and of all passenger cars of 8 wheels. are band 3
la wheels
" freight and baggage cars 7
machine shops
Average number of men employed on the board
road
Number of miles run by locomotives 26,596

Gas from Water.

The editor of the London Mining Journal of Sept. 2d, says that, he listened with much pleasure

We were much pleased with a descriptive pinching times of poverty have suggested for as long as miners are suffered to work by lecture, at the Polytechnic Institution, accounpanied by a working model of a new hydrocarbon gas apparatus, patented by Mr. Ste-phen White, for the manufacture of gas from water and common tar, or resin, &c. invention appears to be a very valuable one, and was ably explained in its various points by Dr. Ryan, the able coadjutor of Mr. Isham with any other than a sufety insulated light Baggs at this institution. The apparatus—either a lanthorn or a lamp. Now, the consists of three retorts placed in a stove, two working colliers had an equal objection to of which are filled with charcoal and thin of passengers on the driving wheels. By that he finds considerable prejudice to exist this means they will receive additional adhesion, with additional load. The design geems ingenious, and the workmanship good, attention in some quarters, which gives him to and highly interesting. The advantage of It would be to the ultimate interest of the working small or branch traffic in this way masters, as well as the men, that explosions will diminish wear and tear, as well as coke and other working expenses. At present these are so high as to render branches in many cases unprofitable. It is proposed also to run light expresses in this manner. Any plan that proposes important times of general. the poisonous fumes, consisting of sulphuric acid, sulphurus acid gas, amonia, &c., given off by the ordinary coal gas, not only affecting the health of a mass of fedividuals, but injuring the goods of jewellers, silversmiths, and drapers, books, prints, pictures, furniture, and a variety of other articles. This gas has succeeded in obtaining a very eligible situation, and the delicacy with which the bridge can, under any circumstances, be required to bear. The trial gave succeeded in obtaining a very eligible situation, but also for motion under heavy weight. On this occasion the bridge was loaded with considering the health of a mass of fedividuals, but inform our readers, that the proprietors have succeeded in obtaining a very eligible situation. been made and supplied at a price considera-tion, most centrally situated in the metropolis bly less than that of coal gas. Thus we see accomplished the foretelling of that eminent in a direct line, 160 feet long; and the other chemiat and philosopher, the late Sir Humphin a circle, 15 feet in diameter—each having rey Davy, "that at some future time gas a double line of rails, on which trains will would be generated from water for general uninterruptedly run in both directions; show-purposes, surpassing coal gas in brilliancy ing the power and capabilities of the system, and purity."

Saratoga and Schenectady Railroad.

In conformity with a resolution of the assembly, passed February 2, 1843, the Sarato-ga and Schenecially railroad company make their annual report, as follows:

The Saratoga and Schenectady railroad, extending from the village of Saratoga Springs of its capabilities on a still larger scale.

The cost of construction is \$300,000 00 The receipts of the company from January 1st, 1847, to December 31, 1848, both days

moradou, are
21,7501 through passengers \$22,227 16
28,7271 way "
From Ireight 5,602 32
mail and other sources 1,693 30
The expenditures of the company for the same period, for repairing and running
road\$20,288 72
Number of locomotives 3
passenger cars
freight cars
Machine shop
Average number of men employed 30
Number of miles run by passenger trains 23,628
L. R. SARGENT, Supt.

ATMOSPHEBIC RAILWAY.

The editor of the London Mining Journal, of 9th September has the following notice of Cunningham and Carter's system of atmospheric propulsion on railways.

"It is much to be regretted that, from bad system of railway propulsion by atmospheric lowing describes a bridge of 120 feet span: pressure, has received another severe shock "One of the new wrought iron boy on the South Devon line, and its supersedence by the locomotive engine. Notwith standing these untoward events, we believe the time is fast approaching when a rallying favor by the public than ever. We have always most distinctly stated our decided objecways spoken highly favorable; the entire absence of leakage, not an atom more vacuum destroyed than there is corresponding power. The ribs are supported in such a manner as A. M. Mail Line, for FIVE BOLLARS.

the facility with which the trains are backed, and the speed regulated; performing every movement which can be effected by the locomotive, but under far greater control. working of these models will convince the public of the superiority of this over the valve system, and which we trust will lead to its introduction on some branch line, for proof to the city of Schenectady, is 22 miles long. fully expect it will be in operation by Mon day week, after which we shall again return to the subject."

Railway Villages.

This admirable plan for the comfort and improve ment of the poor and industrious population of large cities and villages is likely to be carried into operation, as we see by the Railway Chronicle, which

"We hear with pleasure that the suburban village association-which, as our readers may be aware, has for its purpose the build-ing of villages suitable for the residences of persons of limited income near railway staions-will, ere long, make use of the South Western line. The whole of the neighborhood of the branch down to Staines is eligible for the views of the society, and the weekly increase of the short passenger traffic there especially shows this."

Wrought Iron Railway Bridges.

We are not alone, it seems, in the adoption of wrought iron bridges for railways-though we may mechanical management in the only plan yet think we are quite as far advanced in their use as tried on a working scale, the adoption of a our neighbors-except in tubular bridges. The fol-

in the proposed abandonment of the principle bridges constructed for the Blackwall extension line has been tested at the works of Fox. Henderson & Co., at Smithwick, near Birmingham, in the presence of Mr. Muntz. M.P., Capt. Simmons, and other railway officers. point will be found, and the practical part of The bridge, as erected on an open space near the subject will be received with much more the London works, presented a clear space of 120 feet between the bearings. It is constructed entirely of wrought iron, and contions, founded on scientific information, and sists of an arch of boiler plates and angle iron convinced that it could never be made to act with certainty and regularity, and was totally unfit for a line of greater length than a mile or two; this opinion has been fully borne out by the results on the Groydon and the South by the results on the Croydon and the South weights placed on or passing over any por-Devon lines. Of the principle adopted by tion of the bridge. The ribs are adapted for Mesers. Cunningham and Carter we have allerge spans in cases where either headway is

when we consider the thousands who inhale obtained, and the delicacy with which the re-the poisonous fames, consisting of sulphuric gulation of that power can be carried on, ren-tion, but also for motion under heavy weight, acid authurns acid gas, amonia. &c., given ders this principle, in our humble opinion, On this occasion the bridge was loaded with

This will do very well to begin with, but the Messrs Rider, of New York, have constructed several bridges of wrought iron, exceeding 150 ft. span, for locomotives; and one, if we recollect correctly, of over 200 feet span for a road, or street bridge, to be erected at Buffalo, in the State of New York .-Iron bridges for railroads will soon become quite common in this country, at they will be more ble and safer, and therefore cheaper in the en

We shall give a more full description, with an illustration, at an early day.

Accidents on Railways

The following analysis of the official returns in England for the last half year shows a large increas of passengers, over last year, which was about 47,-000,000, for the year, with a loss of life to passengers from accident of eleven, and injury to sixty-two, out of 26,330,492 carried—or one death to passengers in 2,390,000. The loss of life to those employed upon, and trespassing on, the railways was 79.

" () ficial Returns Relative to Railway Accidents.-By an analysis of the returns made to the commissioners of railways, it appears that of the 90 persons killed and 99 injured on all the railways open for public traffic in Great Britain and Ireland, during the half, year ending the 30th June, 1848, there were -6 passengers killed, and 60 injured from causes beyond their own conduct; 5 passengers killed, and 3 injured, owing to their own misconduct or want of caution; 7 servants of companies or contractors killed, and 14 injured, from causes beyond their own control; 52 servants of companies or of contractors killed, and 18 injured, owing to their own misconduct or want of caution; 18 trespassers and other persons, neither passengers nor servants, killed, and 5 injured, by improperly crossing or standing on the railway; I person run over and killed at a crossing through misconduct of an engine driver; 1 suicide-total, 90 killed, and 99 injured; and for the wing describes a bridge of 120 reet span:

"One of the new wrought iron bowstring 26,330,492."—London Min. Jour.

> NEW YORK & PHILADELPHIA. NEW JERSEY RAILROAD & TRANSPORTATION CO.-

Accommodation Line from New York to Philadelphia, via Jersey City, New Brunswick, and Camden.

den. Fare for 1st class cars, \$3; for 2d class, \$2 50 children under 12 years, half price.

Leave New York 6 o'clock A. M.; Newark, 6h. 30m.; Elizabethtown 6h. 40m.; Rahway, 7 A. M. DAILY EXCURSION TO PHILADELPHIA

RAILROAD TRON.

THE NEW JERSEY RAILROAD & TRANSFORTATION CO. have for sale from 450 to
500 tons of Iron Rails, weighing from 35 to 37 lbs.
per yard, of the T pattern, recently taken up from
their road to give place to a heavier rail, together
with Chairs and Spikes to correspond, which they
will sell cheap for cash; the rails have been straightened and prepared for realaying, and are now ready ened and prepared for re-laying, and are now ready for delivery on the dock at Jersey City. Apply at 57 Merchants Exchange, New York.

CAR MANUFACTORY, CINCINNATI, OHIO.



ECK & DAVENPORT WOULD REapectfully call the attention of Railroad Companies in the West and South to their establishment at Cincinnati. Their facilities for manufacturing are extensive, and the means of transportation to different points speedy and economical. They are prepared to execute to order, on short notice, Eight-Wheeled Passenger Cars of the most superior description, Open and Covered Freight Cars, Four or Eight-Wheel Crank and Lever Hand Cars, Trucks, Wheels and Axles, and Railroad Work generally. Cincinnati, Ohio, October 2, 1848.

TO CONTRACTORS

BURLINGTON AND MOUNT HOLLY RAILROAD.—Sealed proposals will be re-13th of November next, for the Grading, Bridging, and Masonry of the Burlington and Mount Holly Railroad, about seven miles in length.

Plans, profiles, etc., may be seen, and all necessary information obtained of H. L. Southard, at the Engineer's office, in Burlington, after the 10th of No

The company reserve the right of rejecting all bids de med incompatible with their interests.

ROBERT S. VAN RENSSELAER.
Burlington, October 39, 1848.

RAILROAD IRON.

THE TRENTON IRON COMPANY ARE now turning out one thousand tons of rails permonth, at their works at Trenton, N. J. They are prepared to enter into contract to furnish rails of any pattern, and of the very best quality, made exclusively from the famous Andover iron. The position of the works, on the Delaware river, the Delaware and Raritan canal, and the Camden and Amboy railroad, enables them to ship rails at all seasons of

the year. Apply to
COOPER & HEWITT, Agents,
17 Burling Slip, New York.
October 30th, 1848.

DEAN, PACKARD & MILLS. MANUPACTURERS OF ALL KINDS OF

RAILROAD CARS,

BUCH AND

PASSENGER, FREIGHT AND CRANK CARS.

SNOW PLOUGHS AND ENGINE TENDERS OF VARIOUS KINDS

CAR WHEELS and AXLES fitted and furnished int short notice; also, STEEL SPRINGS of various kinds, and

SHAFTING FOR FACTORIES.

To The above may be had attarder at our Car Factory,
REUBL DEAN,
ELWAH PACKARD,
ISAAC MILLS,
1948

RAILROAD IRON Spintdo

3000 TONS, ABOUT 60 LBS. PR
lineal yard—deliverable early in
the Spring, and of undoubted quality, can be contracted for at a low rate. For sale by
DAVIS, BROOKS & CO.,
68 Broad street.

New York, Sept. 16. 1848,

Also on hand-1000 Tons best quality Rails.

TULLER'S PATENT INDIA RUBBER CAR SPRINGS.—These Springs have been in use for nearly four years, with most complete success, and they are now in use upon most of the principal roads in this country. They are made of the best material, are economical, light, and very easy in their motion—all persons using them are guaranteed against adverse claims.

Offices 78 Broad street New York, and Jas. Lee

& Co., 18 India wharf, Boston.

Railroad companies are cautioned against the statements made by the New Eugland car company. The India rubber used by the patentee is the best that can be made, and does not conflict with any existing patent. The rediculous statement that a patent. tentee may not vend his own invention needs no re

The patent for these springs was granted to W. C. Fuller, in Oct., 1845, in the United States and in England; A Mr. Ray claims to have invented another spring, which counsel advise, is a mere evasion of Mr. Fuller's patent, and proceedings are being taken to stop that infringement.

"The New England Car Company" have published an article from the pen of Mr. Hale, president of the Boston and Worcester railroad, expressing his of the Boston and Worcester railroad, expressing his opinion concerning these springs—but they have forgotten to publish the whole of that article; it is therefore given in full now, and the portion omitted by the New England care company is principled. Pa. therefore given in full now, and the portion of the by the New England car company is printed in itaics, that the public may judge of the manner in which this "company" pervert Mr Hale's meaning.
G. M. KNEVITT, Agent,
78 Broad St., New York.

September 30, 1848.

[From the Boston Advertiser of the 7th June.]

INDIA RUBBER SPRINGS EOR RAILROAD CARS. "Of the numerous uses to which the wonderful elasticity and durability of India robber, renders this material applicable, we are hardly aware of one, in which it has been more successful than in foruning springs for railroad cars. We have had occasion to observe, for some months past, its application to this use, on, one of the passenger cars on the Newton special train of the Boston and Worgester railroad. It is there used not only for the springs on which the car rests, but for the springs attached to the motion of the car. For both these purposes it appears to be admirably adapted, and we do not learn that during the period in which it has been dead to the area to prevent any jar on the sudden commencement, or interruption of the motion of the car. For both these purposes it appears to be admirably adapted, and we do not learn that during the period in which it has been discovered. It renders the movements of the car extremely sasy, and protects it more effectually, we think, than any other spring which we have seen in use, from every barsh or unpleasant motion, either vertical or horizontal, it is also simple in its form and application, extremely light, and little liable to get out of repair. During the period of some months in which we have seen the springs in operation, there is no apparent wear or diminution of its efficiency. Each spring is compast of several circular layers or rings of India rubber, a thin metallic plate of the same size being in the period of some months and admits of being made more or less clastic amount of speairur. The invention, we understand, was first platented in this constity. The patent for this through the period of some months in the general use on several of the principal railroads, and we have the whave it has been introduced into general use on several of the principal railroads, and we have the whole of the patent for this inconting, we will be a substituted in this constitute. The patent for this inconting, we will be a substitute of the patent for this inconting, we "Of the numerous uses to which the wonderful elasticity and durability of India rubber, renders this

tion of Railroad Companies is particularly requested to Ellicotts' Scales, made for weighing loaded cars in trains, or singly, they have been the inventors, and the first to make platform scales in the United States; supposing that an experience of 20 years has given a knowledge and superior advantage in the business.

The levers of our scales are made of wrought tron, all the bearers and fulcrums are made of the best cast steel, laid on blocks of granite, extending across the pit, the upper part of the scale only being made of wood. E. Ellicott has made the largest Railroad Scale in the world, its extreme length was one hundred and twenty feet, capable of weighing ten loaded cars at a single draft. It was put on the Mine Hill and Schuylkill Haven Railroad.

We are prepared to make scales of any size to weigh from five pounds to two hundred tons.

ELLICOTT & ABBOTT.

Factory, 9th street, near Coates, cor. Melon st.
Office, No. 3 North 5th street,
Philadelphia, Pa.

NO RAILROAD COMPANIES AND MAN TO RAILROAD COMPANIES AND MAN ulacturers of railroad Maghinery. The subscribers have for sale Am. and English bar iron, of alsizes; English blister, cast, shear and spring steel; Juniata rods; car axles, made of double refined iron; sheet and boiler iron, cut to pattern; tiers for locomotive engines, and other railroad carriage wheels, made from common and double refined B. O. iron; the latter a very superior article. The tires are made by Messrs. Baldwin & Whitney, locomotive engine manufacturers of this city. Orders addressed to them, or to us, will be promptly executed.

sed to them, or to us, will be promptly executed.

When the exact diameter of the wheel is stated in

THE NEWCASTLE MANUFACTURING THE NEWCASTLE MANUFACTURING Company continue to furnish at the Works, situated in the town of Newcastle, Del., Locomotive and other steam engines, Jack screws, Wrought iron work and Brass and Iron castings, of all kinds connected with Steambor's, Railroads, etc.; Mill Gearing of every description; Cast wheels (chilled) of any pattern and size, with Axles fitted, also with wrought tires, Springs, Boxes and bolts for Cars; Driving and other wheels for Locomotives.

The works being on an extensive scale, all orders

The works being on an extensive scale, all orders



DIRECT ACTION ENGINES FOR STEAMBOATS.

THE PATENT DOUBLE CYLINDERS.

THE ANNULAR RING PISTON ENGINES, of Messes. Manidslay, Sons & Field, of London, may be built in the United States, under liceuse, which can be obtained of their agent,

'THOMAS PROSSER, C. E.,

28 Platt street, New York.

May 6, 1848.

WILLIAM JESSOP & SONS. CELEBRATED GAST-STEEL

The subscribers have on hand, and are constantly receiving, from their manufactory,

PARK WORKS, SHEFFIELD,

Double Refined Cast Steel—Square, flat & octagon
Best warranted Cast Steel—Square, flat & octagon
Best Double and Single Shear Steel—Warranted.
Machinery Steel—Round.

Best and 2d gy. Sheet Steel-for Saws and other

Best and 2d gy. Sheet Steel
purposes.

German Steel—flat and sqr., "W. I. & S." "Eagle"
and "Goat" Stamps.

Genuine "Sykes," L Blister Steel.
Best English Blister Steel, etc., etc., etc.
All of which are offered for sale on the most favorable terms, by WM. JESSOP & SONS,

91 John Street, New York 91 John Street, New York,

Also by their Agents—
Curtus & Hand, 47 Commerce St., Philadelphia.
Alex'r Fullerton, & Co., 119 Milk St., Boston.
Stickney & Beatty, South Charles St., Bal'imore.
May 5 1248 May 6, 1848.

NEW PATENT CAR WHEELS.

THE SUBSCRIBERS ARE NOW MANUfacturing Metallic Plate Wheels of their invention, which are pronounced by those that have used them, a superior article, and the demand for them has met the most sanguine expectations of the inventors. Being made of a superior quality of Charcoal Iron, they are warranted equal to any manufacture. manufacture.

manufacture.

We would refer Railroad Companies and others to the following roads that have them in use. Hartford and New Haven, Connecticut River Railroad, Housatonic, Harlem, Farmington, and Stonington.

SIZER & CO.

January 29, 1848. If Springfield, Mass.

RAILROAD IRON AND LOCOMOTIVE
Tyres imported to order and constantly on hand
by
Mar. 2011
4 South Front St., Philadelm St.

NO MACHINISTS & MANUFACTURERS. The Subscribers have taken the READING CAR AXLE MANUFACTORY—and are prepared to execute orders for Axles of every description, and Wrought Iron Shafts for Steamboa's, Mills, etc., made from superior material, at short notice. Address Reading, Pa.

ANDREW TAYLOR & CO.

August 5, 1848-3m*

RAILROAD IRON—SHEET INON—BANK'S BEST—& OTHER GOOD MAKES OF ENGLISH IRON.

100 Tons Railroad fron—Staffordshire make— 56 pounds per yard—shipped from Liverpool 20th July, expected to land on wharf from 10th to 20th September.

September.

Also have Invoices of Sheet Iron, Brasier's Rods, Hoops, Scroll, and Band Iron, Banks best, and other good makes of English Rolled Iron, to arrive, suitable for Railroad Axles, etc., etc., equal in quality to American Rolled Iron. I have agency of several best makers in England and Wales, and can import for Railroad Companies, and others, on best terms, and at much less prices than they can be supplied from American Mills.

DAVID W. WETMORE,

218 Water street.

New York Sept. 9, 1848.

New York, Sept. 9, 1848. 6w*

MATTEWAY MACHINE WORKS.

THE MATTEWAN COMPANY HAVE
Added to their Machine Works, an extensive
Locomorive Excuse department, and are prepared
to execute orders for Locumbine Engines of every
size and pattern—also, Traces, Wheels, Azles, and
other Railroad Machinery, to which they ask the attention of those who wish such articles, before they
purchase elsewhere.

STATIONARY ENGINES, BOILERS, ETC.,
Of any required size or pattern, arranged for driving Cotton, Wootlen, or other Mills, can be had on
favorable terms, and at short notice.

COTTON AND WOOLLEN MACHINERY Of every description, embodying all the modern im-provements, second in quality to none in this or any other country, made to order.

MHLL GEARING,
Of every description, may be had at short notice, a
this company has probably the most extensive as
sortment of patterns in this line, in any section of
the country, and are constantly adding to them.

TOOLS.
Turning Lathes, Slabbing, Plaining, Culling, and Drilling Machines, of the most approved patterns, together with all other tools required in machine shops, may be had at the Mauewan Company's

Shops, Fishkill Landing, or at
39 Pine Street, New York.
WM. B. LEONARD, Agent.

FAIRBANKS' RAILROAD SCALES.

THE Subscribers are prepared to construct at short in the construction of the various modifications, having reference to strength, durability, retention of adjustment, accurracy of weight and despatch in weighing—and the long and severe tests to which their scales have been subjected—combine to ensure for these scales the universal confidence of the public.

No other scales are so extensively used upon Railroads, either in the United States or Great Britain; and the manufacturers refer with confidence to the

No other scales are so extensively used upon Railroads, either in the United States or Great Britain; and the manufacturers refer with confidence to the following in the United States.

Eastern Railroad, Boston and Maine R. R., Providence Railroad, Concord R. R., Concord R. R., Concord R. R., Stehenectady Railroad, Fitchburg R. R., Baltimore & Ohio Road, Baltimore & Susq. R. R., Phila. & Reading Road. Schuylkill Valley R. R., Central (Ga.) Railroad. Macon and Western R.R., New York and Eric Railroad;

New York and Erie Railroad; and other principal Railroads in the Western, Mid-die and Southern States. E. & F. FAIRBANKS & CO.

Agents FAIREANKS & Co., 81 Water st. N. York, A. B. Norris, 196 Market st., Philad.

April 22, 1848.

DATENT HAMMERED RAILROAD, SHIP PATENT HAMMERED RAILROAD, SHIP and Boat Spikes. The Albany Iron and Nail Works have always on hand, of their own manufac-ture, a large assortment of Railroad, Ship and Boat Spikes, from 2 to 12 inches in length, and of any form of head. From the excellence of the material alof head. From the excellence of the material al-ways used in their manufacture, and their very gen-eral use for railroads and other purposes in this coun-try, the manufacturers have no hesitation in warrant-ing them fully equal to the best spikes in market, both as to quality and appearance. All orders ad-dressed to the subscriber at the works, while prompt-ly executed. JOHN F. WINSLOW, Agent.

Albany Iron and Nail Works, Troy, N. Y.
The above spikes may be had at factory prices, of
Erastus Corning & Co., Albany; Hart & Merritt,
New York; J. H. Whitney, do.; E. J. Etting, Philadelphia; Wm. E. Coffin & Co., Boston. 1445

RAILROAD IRON.

THE NEW JERSEY IRON CO.'S WORKS, at Boomton, are now in fall operation, and can execute orders for Railroad Bars of any required pattern, equal in quality to any made in this country. Apply to DUDLEY B. FULLER, Ag't 139 Greenwich Street.

New York, October 25, 1848.

CHILLED RAILROAD WHEELS.—THE undersigned are now prepared to manufacture their Improved Corrugated Car Wheels, or Wheels with any form of Spokes or Disks, by a new process which prevents all strain on the metal, such as is is produced in all other chilled wheels, by the manner of casting and cooling. By this new method of manufacture, the hubs of all kinds of wheels may be made whole—that is, without dividing them into sections—thus rendering the expense of banding unnecessary; and the wheels subjected to this process will be much stronger than those of the same size and weight, when made in the ordinary way.

A. WHITNEY & SON,

Nov. 10, 1847. [tf.] Philadelphia, Penna.



THE SUBSCRIber has on hand a good assortment of his best Leveling and Surveying Instru-ments, among them his improved Com-pass for taking angles without the needle-also Bells, suitable for Churches Pail

for Churches, Rail-ANDREW MENEELY. road Depots, etc. ANDI West Troy, May 12, 1847.

PATENT RAILROAD, SHIP AND BOAT

are tastened with Spines made at the above hamed factory—for which purpose they are found invaluable, as their adhesion is more than double any common spikes made by the hammer.

All orders directed to the Agent, Troy, N. York will be punctually attended to.

HENRY BURDEN, Agent Spikes are kept for sale, at Factory Prices, by & J. Townsend, Albany, and the principal Iron mer chants in Albany and Troy; J. I. Brower, 222 Water St., New York; A. M. Jones, Philadelphia; T. Jar viers, Baltimore; Degrand & Smith, Boston.

4 Railroad Companies would do well to forward their orders as early as practicable, as the subscriber is desirous of extending the manufacturing as as to keep pace with the daily increasing demand.

ja45

TO LOCOMOTIVE AND MARINE EN-gine Boiler Builders. Pascal from Works, Philadelphia. Welded Wrought Iron Flues, suita-ple for Locomotives, Marine and other Steam En-gine Boilers, from 2 to 5 inches in diameter. Also, Pipes for Gas, Steam and other purposes; extra strong Tube for Hydraulic Presses; Hollow Pis-tons for Pumps of Steam Engines, etc. Manufac-tured and for sale by MORRIS TASKER & MORRIS, Warstouse S. E. corner 3d and Walnut Sts., Phila

CHILLED RAILROAD WHEELS.—THE undersigned the Original forenter of the Plete Wheel with solid hub, is prepared to execute all orders for the same, promptly and faithfully, and solicits a share of the patronage for those kind of wheels which are now so much preferred, and which he originally produced after a large expenditure of time and money.

A. TIERS. Point Pleasant Foundry,

He also offers to furnish Rolling Mill Castings, and other Mill Gearing, with promptness, having, he believes, the largest stock of such patterns to be found in the country.

Kensington, Philadelphia Co., March 12, 1848.

NORWICH CAR FACTORY

NORWICH, CONNECTICUT,
T the head of navigation on the River Thames,
and on the line of the Norwich and Worcester,
road, established for the manufactory of

RAILROAD CARS, PASSENGER, FREIGHT AND HAND CARS

ALSO, VARIOUS KINDS OF ENGINE TENDERS AND SNOW PLOUGHS TRUCKS, WHEELS & AXLES

Furnished and fitted at short notice. Orders executed with promptness and despatch.

The Any communication addressed to

JAMES D. MOWRY,

General Agent,

Norwick, Conn.

MANUFACTURE OF PATENT WIRE
Rope and Cables for Inclined Planes, St nding Ship Rigging, Mines, Cranes, Tillers etc., by
JOHN A. ROEBLING, Civil Ingineer,
Plusburgh, Pa.
These Ropes are in successful operation on the
planes of the Portage Railroad in Pennsylvania, on
the Public Slips, on Ferries and in Mines. The
first rope put upon Plane No. 3, Portage Railroad,
has a ow run 4 seasons, and is still in good condition. 92v11y

NICOLL'S PATENT SAFETY SWITCH for Railroad Turnouts. This invention, for some time in successful operation on one of the principal railroads in the country, effectually prevents engines and their trains from running off the track

It is never touched by passing trains, except when in use, preventing their running off the track. It is simple in its construction and operation, requiring only two Castings and two Rails; the latter, even if much worn or used, not objectionable.

Working Models of the Safety Switch may be seen at Messrs. Davenport and Bridges, Cambridgeport, Mass., and at the office of the Railroad Journal, New York.

New York.

Plans, Specifications, and all information obtained on application to the Subscriber, Inventor, and Patentee G. A. NICOLLS, ja45 Reading, Pa

TO RAILROAD COMPANIES AND BUILD LERS OF MARINE AND LOCOMOTIVE ENGINES AND BOILERS.

PASCAL IRON WORKS.

WELDED WROUGHT IRON TUBES



Manufactured and for sale by MORRIS, TASKER & MORRIS-archouse S. E. Corner of Third & Walbut Street PHILADELPHIA.

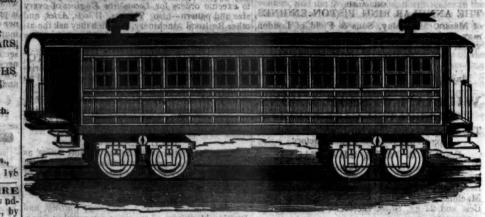
AWRENCE'S ROSENDALE HYDRAulic Cement. This cement is warranted equal
to any manufactured in this country, and has been
prenounced superior to Francis' "Roman." Its
value for Aqueducts, Locks, Bridges, Flooms, and
all Masonry exposed to dampness, is well known,
as it sets immediately under water, and increases in
solidity for years.

For sale in lots to suit purchasers, in tight papered barrels, by JOHN W. LAWRENCE,
142 Front street, New York.

To Orders for the above will be received and
promptly attended to at this office,
32 19 AWRENCE'S ROSENDALE HYDRA

DAVENPORT & BRIDGES'

CAR WORKS, CAMBRIDGEPORT, MASSA



Manufacture to Order, Passenger and Freight Cars et every description, and of the most improved attern; also furnish Snow Ploughs and Chilled Wheels of any pattern and size. Forged Axles, Springs, Boxes and Bolts for Cars at the lowest prices.

All orders punctually executed and forwarded to any part of the country.

Our Works are within fifteen minutes ride from State street, Boston—Omnibuses pass every fifteen

ninutes.

THE SUBSCRIBERS ARE PREPARED TO execute orders at their Phænix Works for Railroad Iron of any required pattern, equal in quality and finish to the best imported.

REEVES, BUCK & CO.

Philadelphia.
ROBERT NICHOLS, Agent,
No 79 Water St., New York.

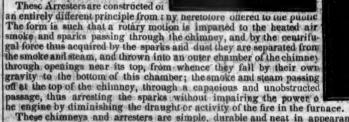
RAILROAD IRON, PIG IRON, ETC.

25 Tons of T Rail 60 lbs. per yard.
25 Tons of 24 by a Flat Bars.
25 Tons of 24 by 9-16 Flat Bars.
100 Tons No. 1 Gatsbrorie.
100 Tons Welsh Forge Pigs.
For Sale by A. & G. RALSTON & CO.
No. 4 So. Front St., Philadelphin

FRENCH AND BAIRD'S PATENT SPARK ARRESTER.

TO THOSE INTERESTED IN Railroads, Railroad Director and Managers are respectfully invi-ted to examine an improved Spark Arrester recently patented by the un-

Our improved Spark Arrester are been extensively used during the last year on both passenger & freigh engines, and have been brought usuch a state of perfection that no an novance from sparks or dust from the chimney of engines on which the are used is experienced. These Arresters are constructed of



he engine by diminishing the draught or activity of the fire in the furnace.

These chimneys and arresters are simple, durable and neat in appearance. They are now in use on the following roads, to the managers and other officers of which we are at liberty to refer those who may desire to purchase or obtain further information in regard to their merits.

R. L. Stevens, President Gamden and Amboy Railroad Company; Richard Peters, Superintendant Georgia Railroad, Augusta, Ga.; G. A. Nicolls, Superintendant Philadelphia, Reading and Pottsville Railroad, Reading, Pa.; W. E. Morris, President Philadelphia, Germantown and Norristown Railroad, Reading, Pa.; W. E. Morris, President W. and R. Railroad Company, Wilmington, N. C.; Col. James Gaosden, President S. C. and C. Railroad Company, Charleston, S. C.; W. C. Walker, Agent Vicksburgh and Jackson Railroad, Vicksburgh, Miss.; R. S. Van Rensselaer, Engineer and Sup'i Hartford and New Haven Railroad; W. R. M'Kee, Sup'i Lexington and Ohio Railroad, Lexington, Ky.; T. L. Smith, Sup't New Jersey Railroad Trans. Co.; J. Elliott, Sup't Motive Power Philadelphia and Wilmington Railroad, Wilmington, Del.; J. O. Sterns, Sup't Elizabethtown and Somerville Railroad; R. R. Cuyler, President Central Railroad Company, Savannah, Ga.; J. D. Gray Sup't Macon Railroad, Macon, Ga.; J. H. Cleveland, Sup't Southern Railroad, Monroe, Mich.; M. F. Chittenden, Sup't M. P. Cantral Railroad, Detroit, Mich.; G. R. Fisk, President Long Island Railroad, Brooklyn.

Orders for these Chimneys and Arresters, addressed to the subscribers, care Messers, Baldwin & White

Orders for these Chimneys and Arresters, addressed to the subscribers, care Messrs. Baldwin & Whiteev, of this city, will be promptly executed. ney, of this city, will be promptly executed.

N. B.—The subscribers will dispose of single rights, or rights for one or more States, on reasonable terms.

Philadelphia, Pa., April 6, 1844.

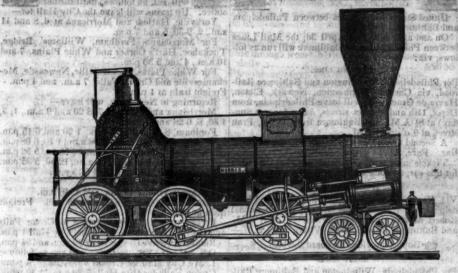
*• The letters in the figures refer to the article given in the Journal of June, 1841.

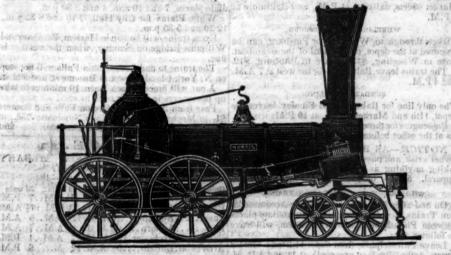






LOCOMOTIVE WORKS.





THE UNDERSIGNED Manufacture to order Locomotive Steam Engines of any plan or size.

Their shops being enlarged, and their arrangements considerably extended to tacilitate the speedy execution of work in this branch, they can offer to Railway Companies unusual advantages for prompt delivery of Machinery of superior workmanship and finish.

Connected with the Locomotive business, they are also prepared to furnish, at short notice, Chilled

Wheels for Cars of superior quality.

Iron and Brass castings, Axles, etc., fitted up complete with Trucks or otherwise.

NORRIS' BROTHERS.

ACHINE WORKS OF ROGERS, Ketchum & Grosvenor, Patterson, N. J. The undersigned receive orders for the following articles, manufactured by them of the most superior description in every particular. Their works being extensive and the number of hands employed being large, they are enabled to execute both large and small orders with promptness and despatch.

Railroad Work.

Locomotive steam engines and tenders: Driving 121f 100 AND BLOOM IRON.—THE SUBSCRIbers are agents for the sale of numerous brands of Charcoal and Anthracite Pig Iron, suitable for Machinery, Railroad Wheels, Chains, Hollowware, etc. Also several brands of the best Puddling Iron, Juniatta Blooms suitable for Wire, Boiler Plate, Axe Iron, Shovels, etc. The attention of those engaged in the manufacture of Iron is solicited by Vine St. Wharf. Philadelphia.

Railroad Work.

Locomotive steam engines and tenders; Driving and other locomotive wheels, axles, springs & flange tires; ear wheels of cast iron, from a variety of paterns, and chills; car wheels of cast iron with wrought tires; axles of best American refined iron; springs; boxes and bolts for cars.

Cotton, Wool and Flax Machinery of all descriptions and of the most improved patterns, atyle and workmanship.

Mill gearing and Millwright work generally; hydraulic and other presses; press screws; callenders; lathes and tools of all kinds; iron and brass castings of all descriptions.

ROGERS, KETCHUM & GROSVENOR, Paterson, N. J., or 60 Wall street, N. York.

bers are agents for the sale of numerous brands of Charcoal and Anthracite Pig Iron, suitable for Machinery, Railroad Wheels, Chains, Hollowware, etc. Also several brands of the best Puddling Iron, Juniata Blooms suitable for Wire, Boiler Place, Axe Iron, Shovels, etc. The attention of those engaged in the manufacture of Iron is solicited by

A. WRIGHT & NEPHEW,

121f Vine St. Wharf, Philadelphia.

T. & C. WASON, Manufacturers of every style of Freight and Baggage Cars.—Forty rods east of the depot, Springfield, Mass.
Running parts in sets complete, Wheels, Axles.

or any part of cars furnished and fitted up at short notice and in the best manner.

N. S. Particular attention paid to the manufac-ture of the most improved Freight Cars. We refer to the New Haven, Hartford and Springfield; Con-necticut River; Harlem; Housatonic, and Western, Mass,, Railroads, where our cars are now in constant use. ... Dec.25, 1847.—1y. 47 A. 1. 1. 1.

PRING STEEL FOR LOCOMOTIVES,
Tenders and Cars. The Subscriber is engaged in manufacturing Spring Steel from 14 to 6 inches in width, and of any thickness required: large quantities are yearly furnished for railroad purposes, and wherever used, its quality has been approved of The establishment being large, can execute orders with great promptitude, at reasonable prices, and the quality warranted. Address

JOAN F. WINSLOW, Agent,

Albany Iron and Nail Works,

Iy Albany Iron and Nail Werks,

IMPORTANT TO ENGINEERS, CONtractors, and Surveyor's Pocket Table Book, by J.

M. Scribner, A. M., 264 pages, 24 mo; tuck binding, with gilt edge. Published by Huntington &
Savage, 216 Pearl street, New York.

The above work comprises Logarithms of Numbers, Logarithmic Sines and Tangents, Natural
Sines and Natural Tangents; the Traverse Table,
and a full and attensive set of tables, exhibiting at
one view the number of cubic yards contained in any
embankment or culting, and for any base or slope of
sides usual in practice. Besides these essential tables,
the work comprises 50 pages more of Mensuration,
Tables, Weights of Iron, Strength of Materials,
Formulas, Diagrams, etc., for laying out railreads,
canals and curves; much of which has never before
been offered to the public, and all dispensable to the
engineer. This book will prove a great saving of
time, and will enable the new beginner to furnish
results as accurately (and with much greater rapidity) as the most experienced in the profession without
is aid. The tables of Logarithms, etc., have been
carefully corrected and compared with different editions of the same tables; and all the tables throughout the book have been read carefully by proofs four
times; hence the most implicit confidence may be
placed in their correctness.

Also, Scribner's Engineer's and Mechanic's Companion, new edition, 264 pages, enlarged, with 35

Also, Scribner's Engineer's and Mechanic's Com-panion, new edition, 264 pages, enlarged, with 35 pages of entirely new matter, and much improved throughout.

It is believed these books are so well adapted to suit the above professions, that they cannot afford to do without them, and that they will aid in reward-ing well directed mental labor. Both are for sale by all the principal booksellers throughout the United States and Canada.

WESTERN RAILROAD.—ON AND AF-ter Monday, April 5, 1847, the passenger trains will leave daily, Sun-days excepted, as follows:

Boston at 8 a. m. and 4 p. m. for Albany.

Albany at 7 1-4 a. m. and 5 p. m. for Boston.

Springfield at 8 1-2 a. m. and 1 p. m. for Albany

Springfield at 8 1-2 a. m. and 1 p. m. for Albany

Springfield at 8 1-2 a. m. and 1 1-2 and 3 p. m. (or

on arrival of the train from New York) for Boston.

Day line to New York, via Springfield.—The

steamboat train leaves Boston at 6 a. m., and arrives

in New York at 7 p. m., by the steamboats Travel-ler, New York, or Champion. Returning, leaves New York at 6 1-4 a. m., and arrives in Boston at

New York at 6 1-4 a. m., and arrives in Boston at 7 p. m.

Night line to New York.—Leaves Boston at m., and arrives in New York at 5 a. m.,

Albany and Troy.—Leave Boston at 8 a. m.,

Springfield at 1 p. m., and arrive in Albany at 6 b. m.; or, leave Boston at 4 p.m., Springfield next morning at 81-2, and arrive in Albany at 1 1-2 p.m.

The Troy trains connect at Greenbush.

The trains for Buffalo leave at 71 a.m. and 7 p.m. The trains for Buffalo leave at 74 a.m. and 7 p.m., For Northampton, Greenfield, etc.—The trains of the Connecticut River Railroad leave Springfield at g 1-4 a.m., 1 and 3 p.m., and passengers proceed directly on to Brattleboro', Windsor, Bellows Falls, Walpole, Hanover, Haverhill, etc.

For Hartford.—The trains leave Springfield on the arrival of the trains from Boston.

The trains of Pittsfield and North Adams Railroad leave Pittsfield on the arrival of the trains from Boston.

N. B.-No responsibility assumed for any bag N.B.—No responsibility assumed for any eag gage by the passenger trains, except for wearing apparel not exceeding the value of fifty dollars, un-less by special agreement.

JAMES BARNES, Sup't and Eng'r.

C.A. SEAD, Agent, 27 State street, Boston.

TEORGIA RAILROAD. FROM AU-PART AND ATLANTIC RAILROAD FROM AT-DALTON, 100 MILES. This Road in connection with

Western and Atlantic Railroad now forms a con-tinuous line, 403 miles in length, from Charleston to Dalton (Cross Plains) in Murray county, Ga.— 32 miles from Chattanooga, Tenn.

AR by J.	TAR OF PREIGHT.	Between Augusta and Dalion.	Between Charleston, and Dalton
	TOTAL SECTION OF THE	271 miles.	406 miles.
1st class.	Boxes of Hats, Bonnets, and Furnature, per cu-	NO STOLL	paries.
1890月月到	bie foot.	10 18	80 28
9d class.	Boxes and Bales of Dry	MILES I	HI PRINC
the market	Goods, Sadlery, Glass,	Transfer in	IT. HE
Makey Miles III	Paints Drugs and Con-	DF 24 322	A 44 C. P. B. B.
Janonie II	fectionary, per 100 lbs.	1 00	1 50
3d class.	Sugar, Coffee, Liquor,	BLE THE TA	NAME AND PARTY
. FT 776 MM	Bagging, Rope, Cotton	135 (1502) 7	30 15 301
Sales and the	Yarns, Tobacco, Lea-	The Contract	ESHOR E
ANEC MIND	ther, Hides, Copper,	Mill to the	MI TO SOM
annied ter	Tin, Feathers, Sheet	ARO. PU	F 235 19 19 19 19 19 19 19 19 19 19 19 19 19
end of old	Iron, Hollow Ware,	3 01 728	Co ocad
26, 1214, 99	Castings, Crockery, etc.		0 85
	Flour, Rice, Bacon, Pork,		Property of
- bigsy an		CHANGE S	
- Juscii) (W/W	1 IOW, DOODWER, Dai	Daniel C	ALL STREET
M3001 -31 B	Iron, Ginseng, Mill	CHESTA A	Art S
-district	Gearing, Pig Iron, and		0.6-
2000/05/06	Grindstones, etc		
od vides	Cotton, per 100 lbs		
Controlled a	Molasses, per hogshead.	8 30	13 3
A 100 PM			4 20
Attribute	Salt per bushel	0 18	1000
Compression	Salt per Liverpool sack.	0 00	10 min 100
Total Care	Ploughs, Corn Shellers.	the same	tion of the
nt chainel	Cultivators, Straw Cut- ters, Wheelbarrows.	I DO ME	9 80
A Section of the Control	ters, w neerbarrows.	. 0 13	1 20

German or other emigrants, in lots of 20 or ore, will te carried over the above roads at 2 cents

more, vitt commissions. Freight payable at forwarded free of commissions. Freight payable at fr. C. ARMS, Sup't. of Transportation.

Augusta, Ga., July 15, 1847.

THE WESTERN AND ATLANTIC Railroad.—This Road is now in operation to Oothcaloga, a distance of 80 miles, and connects daily (Sundays excepted) with the Georgia Rail

From Kingston, on this road, there is a tri-weekly line of stages, which leave on the arrival of the cars on Tuesday, Thursday and Saturday, for Warrenton, Huntsville, Decatur and Tuscumbia, Alabama, and Memphis, Tennessee.

On the same days, the stages leave Oothcaloga for Chattanooga, Jasper, Murfreesborough, Knoxville and Nashville, Tennessee.

This is the most expedituous route from the east to

This is the most expeditious route from the east to

any of these places.

CHAS. F. M. GARNETT Atlanta, Georgia, April 16th, 1846

CENTRAL RAILROAD-FROM SAVAN-nah to Macon. Distance 190 miles.

This Road is open for the trans-

portation of Passengers and Freight. Rates of Passengers, \$8 00. Freight—
On weight goods generally... 60 cts. per hundred.
On measurement goods 13 cts. per cubic ft.
On bris. wet (except molasses and oil)....

PHILADELPHIA, WILMINGTON & BALTIMORE RAILROAD.—1848.

SUMMER ARRANGEMENT.

United States Mail Lines between Philadelphia and Baltimore. Fare, \$3. On and after Monday, April 3d, the Mail Lines between Philadelphia and Baltimore will run as fol-

MORNING LINE.

Per Philadelphia, Wilmington and Baltimore Railroad, via Chester, Wilmington, Newark, Elkton,
Havre de Grace, etc., will leave Philadelphia, from
Depot, 11th and Market streets, daily (except Sunday) at 84 A.M., and Baltimore from Depot, Prait
street, at 9 o'clock, A.M.
A Second Class Car will be run with the morning
line. Fare, \$2.

Tickets must residively be a recovered.

Tickets must positively be procured at the Office for this car, as none will be sold by the conductors.

AFTERNOON LINE.

Via Newcastle and Frenchtown, will leave Phila-delphia, from Dock Street Wharf, per Steamboat Robert Morris, daily (except Sunday) at 21 P.M., and Baltimore, from Bowly's Wharf, at 21 P.M.—

WHEELING AND PITTSBURG.

Tickets through to Wheeling or Pittsburg, can be procured at the depot, or on board of the steamboat. Fare to Wheeling, \$13. Fare to Pittsburg, \$12. The trains leave Baltimore for the west at 7 A.M.

and 4 P.M.

SUNDAY MAIL LINE.

The only line for Baltimore on Sunday leaves the depot, 11th and Market streets, at 10 P.M.

Passengers for these lines must procure their Tickets at the office before taking their seats in the cars.

NOTICE.—All Baggage by these lines is at its owner's risk, and passengers are expressly prohibited taking anything as baggage, except their wearing apparel. 50 lbs. baggage allowed each passenger.

WILMINGTON ACCOMMODATION TRAINS.

On and after Monday, April 3d, the Accommoda-tion Trains, sopping at all the intermediate places between Philadelphia and Wilmington, will leave

between Philadelphia and Walling as follows, viz:
Leave Philadelphia, from depot 14th and Market streets, daily (Sundays excepted) at 1½ and 4 P. M.
Leave Wilmington, from the depot, Water street, daily (except Sunday) at 7½ A.M. and 4½ P.M.
The Freight Accommodation Train will leave Philadelphia at 7 P.M. and Wilmington at 7 P.M.
The Mail Trains stopping at Chester and Wilminton, leave Philadelphia at 8½ A.M. and 10 P.M.
Wilmington at 1 o'clock, P.M., and 12 midnight.
Fare to Wilmington, 50 cts. Fare to Chester, 25 cts.
G. H. HUDDELL, Agent.

1y15

BOSTON AND PROVIDENCE RAIL-road. On and after Monday, October 2d, the Trains will run as follows:

Steamboat Train-Leaves Boston at 5 eaves Providence, on the arrival of the train from Stonington.

Accommodation Trains-Leave Boston at 8 a m and 31 p.m. Leave Providence at 81 a.m. and 31

p.m.

Dedham Trains—Leave Boston at 9 a.m., 12 m.,
3, 6, and 101 p.m. Leave Dedham at 71 101 a.m.,
11, 41, and 9 p.m.

Stoughton Trains—Leave Boston at 11 a.m. and
Leave Stoughton at 84 a.m. and 21 p.m.

Stoughton Trains—Leave Boston at 11½ a.m. and 4½ p.m. Leave Stoughton at 8½ a.m. and 2½ p.m. Treight Trains—Leave Boston at 11 a.m. and 6 p.m. Leave Providence at 4 a.m., and 7 40 a.m. On and after Wednesday, Nov. 1, the DEDHAM From Medford at 6½, 8, 10½, a.m., 2, 4, 6, 9 p.m. TRAIN will run as follows: Leave Boston at 9 a From Boston at 7½, 9½ a.m., 12½ 2½, 5½, 6½, 10 p.m. The Depot in Boston is on Haymarket Square.

The Depot in Boston is on Haymarket Square. CHAS. MINOT, Super 1. m., 42 m., 3, 51 and 101 p.m. Leave Dedham at 8 The Depot in Boston is 101, a.m., 11, 41 and 9 p.m. CE WM. RAYMOND LEE, Sup't. Hoston, Nov. 7, 1818.

NEW YORK & HARLISM RAILROAD

CO.—Summer Arrangement.—On and after

Tuesday, June 1st, 1847, the ears

Tuesday, June 1st, 1847, the ears
will run as follows, until further
notice. Up trains will leave the City Hall for—
Yorkville, Harlem and Morrisana at 6, 8 and 11
a.m., 2, 230, 5 and 7 p.m.
For Morrisana, Fordham, Williams' Bridge,
Tuckahoe, Hart's Corner and White Plains, 7 and
10 a.m., 4 and 5 30 p.m.
For White Plains, Pleasantville, Newcastle, Mechanicsville and Croton Falls, 7 a.m. and 4 p.m.
Freight train at 1 p.m.

hanicsville and Croton Falls, 7 a.m. and 4 p.m. reight train at 1 p.m.

Returning to New York, will leave—
Morrisiana and Harlem, 7, 8 20 and 9 a.m., 1, 3, 30, 6, 6 28 and 8 p.m.

Fordham, 8 68 and 9 15 a.m., 1 20 and 6 15 p.m.
Williams Bridge, 8 and 9 08 a.m., 1 10, 6 08 p.m.
Tuckahoe, 7 38 and 8 25 a.m., 12 56 and 5 52 p.m.
White Plains, 7 10 and 8 35 a.m., 12 50, 5 35 p.m.
Pleasantville, 8 15 a.m. and 5 p.m.
Newcastle, 8 a.m. and 5 p.m.
Mechanicsville, 7 48 a.m. and 4 30 p.m. Freight rain at 16 a.m.

Freight train will leave 32d street for Croton Falls

delphia, from Dock Street Wharf, per Steamboat Robert Morris, daily (except Sunday) at 2½ P.M., and Baltimore, from Bowly's Wharf, at 2½ P.M., and Baltimore, from Bowly's Wharf, at 2½ P.M., and Baltimore Railroad, will leave Philadelphia, from depot, 11th and Market streets, daily, at 11 P.M., and Baltimore at 8 P.M.

WHEEL ING. AND PUTTEBURG.

Train at 10 a.m.

Freight train will leave 32d street for Croton Falls and intermediate places, 4 a.m and City Hall 1 p.m.
Returning, leave Croton Falls 10 a.m. and 9½ p.m.
ON SUNDAYS, the trains will run as follows:
Leave City Hall, 7 30 a.m., 4 30 p.m.
Leave City Hall, 7 30 a.m., 4 30 p.m.
Leave City Hall for White Plains and intermediate places, 7 and 10 a.m. 4 and 5 30 p.m.
White Plains for City Hall, 7 10 and 8 35 a.m.,

12 30 and 5 35 p.m.

Extra trains will be run to Harlem, Fordham and Williams Bridge on Sunday; when the weather is

The trains to and from Croton Falls will not stop on N. York island, except at Broome st, and 32d st.
A car will preced each train 10 minutes to take
up passengers in the city.
Fate from New York to Croton Falls and Somers
\$1, to Mechanicsville 87ic., to Newcastle 75c., to
Pleasantville 62ic. to White Plains 50c.
25if

INOTICE. A RAILROAD LINE BETWEEN ALBANY AND BUFFALO, N. Y.

1848 SCHEDULE FOR RUNNING Adopted February 18, 1848, in convention at Alany. (Copy.) T. Y. Howe, Ja., Secretary of the Convention.

BOSTON AND MAINE RAILROAD.

Winter Arrangement. Commencing Nov. 13, 1848.

Trains leave Boston as follows, viz: For Portland at 7 A.M. and 21 P.M.

Portland at 7 A.M. and 2½ P.M.

Great Falls at 7 a.m., 2½ and 3½ p.m.

Haverhill at 7 and 11½ a.m., 2½, 3½ and 5 p.m.

Lawrence, at 7, 9, 11½ a.m., 2½, 3½, 5, 6 p.m.

Reading 7, 9 & 11¼ a.m., 2½, 3½, 5, 5, 7½ & 10 p.m.

Trains leave for Boston as follows, viz: From

Portland at 7½ a.m., and 3 p.m.

Great Falls at 6½ and 9½ a.m., and 4½ p.m.

Haverhill at 7, 8½ and 11 a.m., 3 and 6½ p.m.

Lawrence at 6½, 7½, 8½, 11½ a.m., 12½, 3½, 6½, p.m.

Reading at 6½, 7, 7½, 9½, 11½ a.m., 1½, 3½, 7½, 9, p.m.

MEDFORD BRANCH TRAINS.

From Medford at 6½, 8, 10½, a.m., 2, 4, 6, 9 p.m.

	The same of the sa	_
	BALTIMORE AND SUSQUEHANNA Railroad.—Reduction of Fare. Morning and	6
	Afternoon Trains between Balti- more and York.—The Passenger	SES.
	trains run daily, except Sunday, as follows:	wi
	Leaves Baltimore at 9 a.m. and 31 p.m.	tic
	Arrives at 9 a.m. and 61 p.m.	ne
	Leaves York at	the
	Arrives at	Fa
	Leaves York for Columbia at . 11 p.m. and 8 a.m.	-
	Leaves Columbia for York at 8 a.m. and 2 p.m.	Fa
	PARE	
	Fare to York	cei
	" Wrightsville	for
18	" Columbia 2 121	the
	Way points in proportion.	30
	PYTTSBURG, GETTYSBURG AND	10
all the	HARRISBURG.	233
	Through tickets to Pittsburg via stage to Har-	-
	risburg \$9	1
	Or via Lancaster by railroad 10	
	Through tickets to Harrisburg or Gettysburg. 3	100
	In connection with the afternoon train at 31 o'clock,	
	a horse car is run to Green Spring and Owing's	CO
	Mill, arriving at the Mills at	of
	D. C. H. BORDLEY, Sup't.	o de co
	31 fy Ticket Office, 63 North st.	S
		M
	BALTIMORE AND OHIO RAILROAD. MAIN STEM. The Train carrying the	A
	MAIN STEM. The Train carrying the	100
	Great Western Mail leaves Bal-	ai
	timore every morning at 71 and	0
	Cumberland at & o'clock passing Filicott's Mills	100

Cumberland at 8 o'clock, passing Ellicott's Mills, Frederick, Harpers Ferry, Martinsburgh and Hancock, conneting daily each way with—the Washington Trains at the Relay House seven miles from Baltimore, with the Winehester Trains at Harpers Ferry — with the various railroad and steamboat lines between Baltimore and Philadelphia and with the lines of Post Coaches between Cumberland and Wheeling and the fine Steamboats on the Monongahela Slack Water between Browns wille and Pittsburgh. Time of arrival at both Cumville and Pittsburgh. Time of arrival at both Cumberland and Baltimore 51 P. M. Fare between those points \$7, and 4 cents per mile for less distances. Fare through to Wheeling \$11 and time about ces. Fare through to wheeling \$11 and time about 32 hours, to Pittsburgh \$10, and time about 32 hours. Through tickets from Philadelphia to Wheeling \$13, to Pittsburgh \$12. Extra train daily except Sundays from Baltimore to Frederick at 4 P. M., and from Frederick to Baltimore at 8 A. M.

WASHINGTON BRANCH.
Daily trains at 9 A. M. and 5 P. M. and 12 at night from Baltimore and at 6 A. M. and 5 P. M. from Washington, connecting daily with the lines North, South and West, at Baltimore, Washington, and the Relay house. Fare \$1 60 through between Baltimore and Washington, in either direction, 4 cents per mile for intermediate distances. \$13y1

Norwich and Worcester Rall-Road. Summer Arrangement.—1848.

Accommodation Trains daily, (Sundays excepted.)

Leave Norwich, at 6 a. m., 12 m. and 5 p. m.
Leave Worcester, at 6 and 10 a. m., and 4 p. m.
connecting with the trains of the Boston and Worcester and Providence and Worcester railroads.

New York & Boston Line. Railroad & Steamers. Leave New York and Boston, daily, Sundays excepted, at 5 p.m.—At New York from pier No. 1 N. River.—At Boston from corner Lincoln and Beach streets, opposite United States Hotel. The steamboat train stops only at Framingham, Worcester, Danielsonville and Norwich.

Freight Trains leave Norwich and Worcester daily, Sundays excepted.—From Worcester at 61 a.m., from Norwich at 7 a.m.

If Fares are Less when paid for Tickets than when aid in the Cars. II 32 ty

RAILROAD IRON—2500 TONS HEAVY
H Rail, now landing, and expected shortly to
arrive, for sale on most favorable terms by
DAVIS BROOKS & CO.

July 19th, if 68 Broad street, New York.

Passenger Train runs daily from Charleston, on the arrival of the boats from Wilmington, N.C., in connection
ith trains on the Georgia, and Western and Atlant C. Railroads—and by stage lines and steamers connects with the Montgomery and West Point, and the Tuscumbia Railroad in N. Alabama.
are through from Charleston to Montgomery daily.

Soc. 20

n Weight Goods-Sugar, Cof-

fee, Liquor, Bagging, Rope,
Butter, Cheese, Tobacco,
Leather, Hides, Cotton.
Yarns, Copper, Tin, Bar &
Sheet Iron, Hollow Ware & 00\$0 50 20 75 0 624 es of Hats, Bonnets and Fur-niture, per cubic foot...... 0 20 Boxes and Bales of Dry Goods, Crockery, per cubic foot 0 15
Molasses and Oil, per hhd.,
(smaller casks in proportion): 9 00
Ploughs, (large,) Cultivators,
Corn Shellers, and Straw 12 50

1 50 Passage-Savannah to Atlanta, \$10; Children, under 12 years of age, half price, Savannah to Macon, \$7.

Goods consigned to the subscriber will be for warded free of Commissions.

Freight may be paid at Savannah, Atlanta

or Oothealoga. F. WINTER, Forwarding Agent, C. R. R. Savannah, Alg. 15th, 1846.

PHILADELPHIA AND READING RAIL-ROAD.—Passenger Train Arrangement for 1848.

A l'assenger Train will leave Philadelphia and Pottsville daily, except Sundays, at 9 o'clock A. M.

The Train from Philadelphia arrives at Reading at 12 18 M.

YEW YORK ANDERIE RAILROAD LINE: SUMMER ARRANGEMENT. For passen-Rgers, twice each way daily,

ITTLE MIAMI RAILROAD COMPANY Fall and Winter Arrangement, 1847. On and

after Monday, September 20th, until further notice, a Passenger train will run as follows:

Leave Cincinnati daily at 9 A. M., for Milford, Foster's Crossing, Deerfield, Morrow, Fort Ancient, Freeport, Waynesville, Spring Valley, Xtnia, Yellow Springs, and Springfield. Returning, will leave Springfield at 24 p.m. Upward train arrives at Cincinnati at 104 a.m.

Freight trains will run each way dany. Messrs. Neil, Moore & Co. are running the following stage lines in connection with the ro

A daily line from Xenia to Columbus and Wheeling, carrying the great Eastern mail.

Daily lines from Springfield to Columbus, Zanes ille and Wheeling. Also to Urbana and Bellefon

A line of Hacks runs daily in connection with the train between Deerfield and Lebanon.

Passengers leaving for New York and Boston, arrive at Sandusky city via Urbana, Bellefontaine & the Mad River and Lake Eric railroad, in 27 hours, the Mad River and Lake Erie rairoad, in 27 hours, including several hours' sleep at Bellefontaine. To the same point via Columbus, Delaware, Mansfield and the Mansfield and Sandusky city railroad, is 32 hours. Distance from Cincinnati to Springfield by railroad.....

From Springfield to Bellefontaine by stage,

FARE-From Cincinnati to Lebanon \$1 00 66 " Xenia 1 50
" Springfield ... 2 00
" Columbus ... 4 00
" Sundusky city 7 00 Dur of a

The Passenger trains runs in connection will Strader & Gorman's line of Mail Packets to Louis

at 9 o'clock A. M.

The Train from Philadelphia arrives at Reading at 12 18 M.

The Train from Pottsville arrives at Reading at 10 43 A. M.

Tickets can be procured at the Broadway Hotel, Dennison House, or at the Depot of the Company, on East Front street.

Further information and through tickets for the

Further information and through tickets for the Stage lines, may be procured at P. Campbell, Agent on Front street, near Broadway.

"Reading, 58 225 and 190

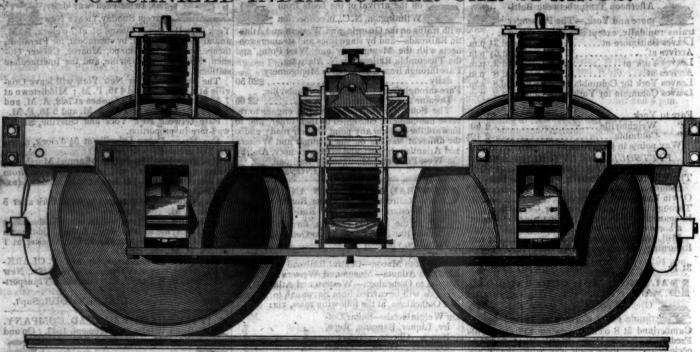
"Pottsville "34 140 and 190

Five minutes allowed at Reading; and three at other way stations.

Passenger Depot in Philadelphia corner of Broad and Vine streets.

"W. H. CLEMENT, Sup's.

VULCANIZED INDIA RUBBER CAR SPRINGS.



EDWARD CRANE, Agent,
Office 99 State street,
Orders may also be left with W.M. RIDER &
BROTHERS, No. 58 Liberty street, New York, or
with F. M. RAY, Agent,
100 Broadway, N. Y.

THE NEW ENGLAND CAR COMPANY In ave introduced these Springs, and they are prove in operation on every latineal springing and the president of the Boston and Worcester railroad in the president of the Boston and Worcester railroad in the providence of the springing of the Boston, and several others in New England and the or may be readily assocratized by every persons in springing for this purpose in the Veilague of the Springing for this purpose is the Veilague of falls Rubber, and by the Principal falls Rubber, and by the principal falls Rubber, and by the Springing for railroad cars. We have had occasion to observe, for some manular papic and the purpose of Railroad Carriage Springs on well as the form and application of it, are held exclusively by the New England Car Company guarantee the right to manufacture and sell the substance the right to manufacture and sell the substance to use it in this country.

The New England Car Company guarantee the right to me the arricle they springe, or has attempted to use it in this country.

The New England Car Company guarantee the right to me the arricle they springe of the substance to use it in this country.

The New England Car Company guarantee the right to manufacture and application of it, are held exclusively by the New England Car Company guarantee the right to manufacture and sell the substance of the rail of the sountry.

The New England Car Company guarantee the right to make a right, whether made passing or otherwise; and all present in the car reast, but for the springes and the car reast, but for the springes attached to use it in the carried the produced the carried the substance of t

The New England Car Company have introduced their Vulcanized India Rubber Car Springs on the roads with which we are respectively connected, and we fully concur with Mr. Hale in the above opinion of their character and properties.

DAVENPORT & BRIDGES, Car Builders.

BRADLEY & RICE, Car Builders.

Boston, June, 1848.

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LETTERS and COMMUNICATIONS for this Journal may be directed to the Editor

D. K. MINOR.